NTT docomo

N-01F

INSTRUCTION MANUAL '13.11

Thank you for choosing "N-01F".

Before use, be sure to thoroughly read this manual to ensure that you use N-01F correctly.

About manual of N-01F

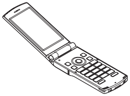
The operations of N-01F are also described in "使いかたガイド" (Guide) (available in this FOMA terminal) and "Instruction Manual (Detailed version)" (Japanese) (PDF file) other than this manual.

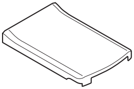
- **"INSTRUCTION MANUAL" (this manual): Provides information about screens and basic operations.**
- **"使いかたガイド" (Guide) (available in this FOMA terminal): Provides information about the outline of frequently-used functions and of operations (in Japanese only).**
  On the N-01F standby screen, MENU ▶ "便利ツール" (Tool) ▶ "使いかたガイド" (Guide)
  *** "使いかたガイド" (Guide) is not available when "English" is set for "Select language".**
- **"Instruction Manual (Detailed version)" (Japanese): Provides detailed information about all functions and operations.**
  From PC: Download from NTT DOCOMO'S website
  http://www.nttdocomo.co.jp/support/trouble/manual/download/index.html

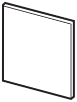
* The URL and content may change without prior notice.

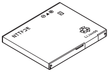
Accessories and major optional extras

Basic package


N-01F (including written warranty)


Back Cover N67


N-01F INSTRUCTION MANUAL (Japanese)


Battery Pack N30


Desktop Holder N45

Options and accessories compatible with this FOMA terminal → p.87

Before using this manual

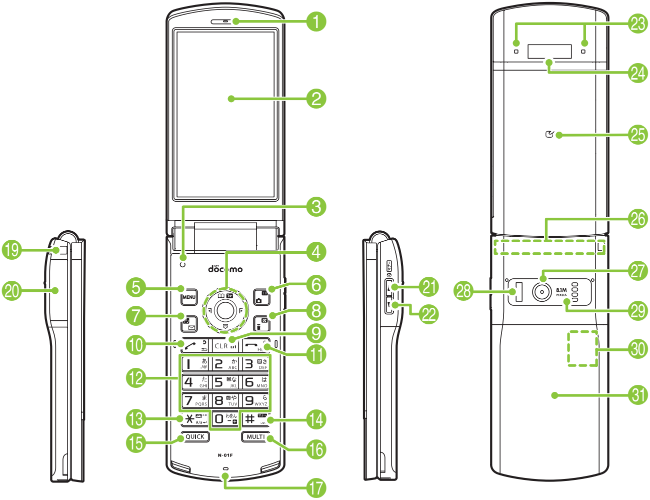
- Note that "N-01F" is referred to as "FOMA terminal" in this manual.
- This manual uses the default settings and screen shots for "WHITE" to describe operations. To read a screen easily in this manual, "Stand-by display" is set to "OFF", and the font color is black while the background color is white.
- The screens shown as examples in this manual are displayed when "English" is set for "Select language". Set "English" for "Select language" in advance. (→p.23)
- The images or illustration used in this manual are examples. They may differ from the actual displays.
- Unauthorized copying of all or part of this manual is prohibited.

Contents

FOMA Terminal

- N-01F supports W-CDMA and GSM/GPRS systems.
- FOMA terminals use wireless communications and cannot be used in tunnels, underground areas, buildings, and other areas without reception; in outdoor locations with weak reception; or outside the service area. Reception may also be weak in even some unobstructed upper floors of high-rise buildings and apartments. Please be aware that calls or communications may be disconnected even under optimal conditions when reception is strong and all three antenna icons are displayed, and when in a stationary position.
- A third party may be able to use special equipment to listen in on your calls, as FOMA terminals use radio waves. However, W-CDMA and GSM/GPRS systems automatically support privacy protection with a scrambling function for all calls to make conversations incomprehensive to third parties.
- FOMA terminals convert voice into digital signals for wireless communications, and therefore if you are in an area where radio reception is weak, these digital signals may not be properly restored and this may result in distortion of the actual caller's voice.
- Please keep a separate record of the information (Phonebook, Schedule, Memo, Record message, Voice memo etc.) you have registered in your FOMA terminal. Please be aware that DOCOMO bears no obligation or responsibility in the event that data is altered or lost.
- It is recommended that you back up important data to a microSD card. If you own a PC, you can also transfer and save data, such as Phonebook, Mail or Schedule, to your PC using DOCOMO keitai datalink.
- The user hereby agrees that the user shall be solely responsible for the result of the use of SSL/TLS. Neither DOCOMO nor the certifier as listed herein makes any representation or warranty as for security in the use of SSL/TLS. In the event that the user shall sustain damage or loss due to the use of SSL/TLS, neither DOCOMO nor the certifier shall be responsible for any damage or loss. Certifier: VeriSign Japan K.K., Cybertrust Japan Co., Ltd., GlobalSign K.K., EMC Japan Corp., SECOM Trust Systems Co., Ltd., Comodo CA Ltd., Entrust Limited and Go Daddy Group, Inc.
- This FOMA terminal is available for use in the FOMA Plus-Area and FOMA HIGH-SPEED area.
- The display is manufactured using high-precision technology but there may be some dots that fail to light or remain permanently lit. Please note that this is a characteristic of displays and not a malfunction.

Part Names and Functions



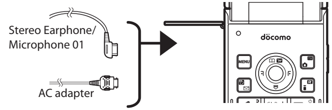


* The 1Seg antenna is built-in and the FOMA terminal itself works as an antenna.

<Using Earphone>
Connect an external-connector-terminal-compatible earphone (optional). To use an incompatible earphone, connect an adapter converter (optional).

Stereo Earphone/Microphone 01 for External connector terminal (optional) connection example

The AC adapter (for charging) and the Stereo Earphone/Microphone 01 (earphone/microphone terminal) use the same slot.



① **Earpiece**
Hear other party's voice from here.

② **Display**

③ **Illuminance sensor**
Detect brightness. Do not cover with hand or put sticker on it.

④ **Multi-function keys**
Up/Down key
- Move the cursor or contents etc. upward or downward.
- Display the Search phonebook menu screen.
- Activate shortcut.

Left/Right key
- Move the cursor to the left or right.
- Activate MyFACE.

: OK key
- Perform the function displayed on this key.

⑤ **MENU key**
Display the main menu.

⑥ **key**
Display the still image shooting screen.

⑦ **key**
Display the mail menu.

⑧ **key**
Display the iMenu.

⑨ **CLR Back (Clear)/i-channel key**
- Return to the previous step or delete the entered characters.
- Display i-channel.

⑩ **Start key**
Make calls.

⑪ **Power/End/Hold key**

⑫ **Dial keys**
Enter phone numbers or characters.

⑬ ***/Public mode (Drive mode) key**
Set Public mode (Drive mode).

⑭ **#/Manner key**

⑮ **QUICK Quick key**
Activate a function selected in "Quick button set".

⑯ **MULTI Multi key**
Display the TASK MENU screen.

⑰ **Mouthpiece/Microphone**

⑱ **Charging terminal**

⑲ **Strap hole**

⑳ **External connector terminal**
Multi-terminal for charging, connecting an earphone, etc.
Connect AC Adapter (optional), DC Adapter (optional), FOMA USB Cable with Charge Function 02 (optional) or Stereo Earphone/ Microphone 01 (optional), etc.

㉑ **▲ [マナー] Volume up key**
Raise the earpiece volume or set Manner mode.

㉒ **▼ Volume down key**
Lower the earpiece volume.

㉓ **Illumination/Charge lamp/Recording indicator**

㉔ **Sub-display**
Display the clock or FOMA terminal status.

㉕ **mark**
Read the IC card and make iC transmissions.

㉖ **FOMA antenna**
The antenna is built-in. Covering the antenna part with your hand may affect the quality.

㉗ **Camera**

㉘ **Infrared data port**

㉙ **Speaker (monaural)**

㉚ **microSD card slot (inside)**

㉛ **Back cover**

Precautions (Always follow these directions)

- To ensure that you use your FOMA terminal correctly, read "Precautions" carefully before use. Keep this manual after reading for future reference.
- The precautions must be observed at all times since they contain information intended to prevent the bodily injury or damage to property.
- The following symbols indicate the different degrees of injury and damage that may occur if the information provided is not observed and the FOMA terminal is used incorrectly:

DANGER	Indicates that death or serious bodily injury may result directly and immediately from improper use.
WARNING	Indicates that death or serious bodily injury may result from improper use.
CAUTION	Indicates that slight bodily injury and/or damage to the property may result from improper use.

- The following symbols indicate specific directions:

Don't	Indicates that it is prohibited.
No disassembly	Indicates that it must not be disassembled.
No liquids	Indicates that it must not be used near water, which means that you must not let it become wet.
No wet hands	Indicates that you must not touch it with wet hands.
Do	Indicates that it is an instruction-based compulsory conduct (must be acted).
Unplug	Indicates that you must unplug the power cord from the outlet.

- Safety precautions are explained in the following categories:

1. Precautions for the FOMA terminal, Battery Pack, Adapter, Desktop Holder and miniUIM (Common)

DANGER

Don't

Do not use, keep or leave the devices in locations subject to high temperatures (near a fire or heating unit, in a kotatsu, under direct sunlight, inside a car on a hot day, etc.).
Doing so may cause fire, burns, or injury.

Don't

Do not put the devices in a microwave oven or pressurized container.
Doing so may cause fire, burns, injury or electric shock.

No disassembly

Do not disassemble or modify the equipment.
Doing so may cause fire, burns, injury or electric shock.

No liquids

Do not allow the devices to become wet with liquids, such as drinking water or other water, pet urine or sweat.

Doing so may cause fire, burns, injury or electric shock.
For waterproof function, refer to the following:
→p.16 "Waterproof/Dustproof Function"

No liquids

Do not allow liquids (drinking water or other water, pet urine, sweat, etc.) to enter the charging terminal or external connector terminal.

Doing so may cause fire, burns, injury or electric shock.

Do

Use the options specified by NTT DOCOMO for the FOMA terminal.

Failure to observe this precaution may cause fire, burns, injury or electric shock.

WARNING

Don't

Do not apply excessive force to the FOMA terminal, throw it or expose it to strong shocks.

Doing so may cause fire, burns, injury or electric shock.

Don't

Do not place electrically conductive objects (wires, pencil leads, etc.) in contact with the charging terminals or external connector terminal. Do not insert those materials inside the terminal.

Doing so may cause fire, burns, injury or electric shock.

Don't

Do not cover or wrap the devices with bedding, etc. while in use or charging.

Doing so may cause fire or burns.

Do

Make sure to turn off the FOMA terminal and stop charging before you get close to the places like a gas station where a flammable gas is generated.

Failure to observe this precaution may cause the gas to ignite.

Turn off the power, when you use Osaifu-Keitai at a gas station (if the IC card lock is set, turn the power off after the lock is released).

Do

If something unusual happens, such as unusual odor, overheating, discoloration or deformation during use, charge or storage, be sure to:

- **Unplug the power cord from the power outlet or the cigarette lighter socket.**
- **Turn off the power.**
- **Remove the battery pack from the FOMA terminal.**

Failure to observe these precautions may cause fire, burns, injury or electric shock.

CAUTION

Don't

Do not leave the devices on a slope or unstable surface.

The devices may fall and cause injury.

Don't

Do not leave the devices in humid, dusty or hot places.

Doing so may cause fire, burns or electric shock.

Do

If your child uses the FOMA terminal, instruct him/her on how to use it. Check if he/she always uses the FOMA terminal correctly as you instruct.

Improper usage could result in bodily injury.

Do

Keep the FOMA terminal out of young children's reach.

A young child may try to swallow it or suffer injury.

Do

Pay special attention when you use the FOMA terminal connected to the adapter for a long period.

If you use i-αppli or videophone or watch 1Seg programs for a long time while charging, the temperature of the FOMA terminal, battery pack or adapter may rise.

If you touch the warm part of these devices for a long period of time, it may cause redness, itch, skin irritation or low temperature burns depending on your constitution or physical condition.

2. Precautions for the FOMA terminal

⚠ WARNING

Don't

Do not direct the infrared data port towards your or another person's eyes.

Doing so may cause eye injury.

Don't

Do not direct the infrared data port towards consumer equipment with infrared devices during infrared communication.

Doing so may cause malfunction of the infrared devices and result in an accident.

Don't

Do not put fluids such as water or substances such as pieces of metal or flammable materials into the miniUIM slot or microSD card slot inside of the FOMA terminal.

Doing so may cause fire, burns, injury or electric shock.

Do

Please turn off your FOMA terminal when inside an airplane, hospital, or other area where use is prohibited.

The terminal may adversely affect electronic or medical equipment. If the Auto power function is set, make sure to disable the function before turning off the power.

Follow the instructions provided by the medical facility for the use of mobile phones.

You will be punished if you take activity prohibited by law such as use of mobile phones in airplanes. However, use of the FOMA terminal may be permitted by turning off transmissions using radio waves, etc., but follow airline instructions for proper use.

Do

Make sure to hold the FOMA terminal at a safe distance from your ear when you use the handsfree mode or the ring tone sounds. Also, when you play games or music, etc. with an earphone/microphone etc. connected to the FOMA terminal, adjust the volume properly.

Too large a volume may lead to defective hearing. Also, hearing difficulties may cause an accident.

Do

If you have a weak heart, take precautions when setting the Vibrator or Ring volume.

Failure to observe this precaution may affect your heart.

Do

If you are wearing electronic medical devices, ask the manufacturer or sales agent whether the devices can be affected by radio waves before using your FOMA terminal.

The terminal may adversely affect electronic medical devices.

Do

Please turn off the power near electronic equipment that contains high-precision mechanisms or handles delicate signals.

The terminal may interfere with the operation of sensitive electronic equipment.

* Electronic equipment to watch out for:

Hearing aids, implanted pacemakers, ICDs and other electronic medical devices; fire alarms, automatic doors, and other automatically controlled apparatus.

Users of implanted pacemakers, ICDs, and other electronic medical devices are advised to ask the manufacturer or sales agent whether or not these devices can be affected by radio waves.

Do

If the display or camera lens is broken, be careful with the broken glass and any exposed FOMA terminal parts.

A plastic panel is used for the display or the surface of the camera lens to prevent glass from shattering. However, touching broken or exposed parts may cause injury.

⚠ CAUTION

Don't

Do not swing the FOMA terminal by its strap or other parts.

The terminal may strike you or others around you, resulting bodily injury.

Don't

Do not use the damaged FOMA terminal.

Doing so may cause fire, burns, injury or electric shock.

Don't

If the display is broken and the inner substance such as liquid crystal leaks, do not allow it to come in contact with your face, hands, etc.

Failure to observe this precaution may cause loss of eyesight or damage to your skin. If the inner substance such as liquid crystal comes into your eyes or mouth, immediately rinse with clean water and see a doctor.

If the liquid crystal adheres to your skin or clothing, immediately wipe it off with alcohol and wash with soap and water.

Do

Before using your FOMA terminal in a vehicle, ask the manufacturer or sales agent whether the operation of the vehicle can be affected by radio waves.

In some types of vehicle, using the FOMA terminal may interfere with the operation of the vehicle's electronic equipment. In this case, stop using the FOMA terminal immediately.

Do

There may be cases where the customer's physical condition or predisposition leads to itchiness, rashes, or sores. If this occurs, immediately stop using the FOMA terminal and see a doctor.

Material used in each part→p.11 "7. Material List"

Do

Take care not to pinch your fingers or the strap when opening/folding the display of the FOMA terminal.

Such pinching may cause injury.

Do

When viewing the display, keep a proper distance between your eyes and it in a bright place.

Failure to observe this precaution may impair your vision.

3. Precautions for the Battery Pack

■ **Refer to the information shown on the battery pack label to check the type of battery.**

Display	Battery type
Li-ion00	Lithium-ion

⚠ DANGER

Don't

Do not place metal items such as wires in contact with the charging terminals. Also, do not carry or store the battery pack with metal items such as necklaces.

Doing so may cause the battery pack to ignite, explode, overheat or leak.

Don't

Check the orientation of the battery pack before attaching it. If you have difficulty attaching it to the FOMA terminal, do not put excessive pressure on the battery pack.

Failure to observe this precaution may cause the battery pack to ignite, explode, overheat or leak.

Don't

Do not throw the battery pack into fire.

Doing so may cause the battery pack to ignite, explode, overheat or leak.

Don't

Do not puncture the battery pack, hit it with a hammer or step on it.

Doing so may cause the battery pack to ignite, explode, overheat or leak.

Do

If battery fluid etc. comes into contact with your eyes, do not rub your eyes but immediately rinse your eyes with clean water and see a doctor.

Failure to observe this precaution may result in loss of eyesight.

WARNING

Don't

Never use the battery pack if it has fallen to have something abnormal such as deformation and damage.

Failure to observe this precaution may cause the battery pack to ignite, explode, overheat or leak.

Do

If the battery pack leaks or emits an unusual odor, stop using it immediately and move it away from any flame or fire.

The battery fluid is flammable and could ignite, causing a fire or explosion.

Do

Keep your pets away from the battery pack as they may accidentally bite it.

Failure to observe this precaution may cause the battery pack to ignite, explode, overheat or leak.

CAUTION

Don't

Do not dispose of used battery packs with ordinary garbage.

Doing so may cause fire and create an environmental hazard. Put insulation tape on the terminals of used battery pack and return it to a docomo Shop or Service Counter, or dispose of the battery pack in accordance with your local regulations.

Don't

Do not use or charge the wet battery pack.

Doing so may cause the battery pack to ignite, explode, overheat or leak.

Do

If the battery pack leaks, do not touch battery fluid etc. with your face, hands, etc.

Failure to observe this precaution may cause loss of eyesight or damage to your skin. If the battery fluid etc. comes into your eyes or mouth or it adheres to your skin or clothing, immediately rinse with clean water. In the case that it comes into contact with your eyes or mouth, see a doctor immediately after rinsing.

4. Precautions for the Adapter and Desktop Holder

WARNING

Don't

Do not use the adapter if its power cord is damaged.

Doing so may cause fire, burns or electric shock.

Don't

Do not use the AC adapter or desktop holder in humid locations such as a bathroom.

Doing so may cause fire, burns or electric shock.

Don't

The DC adapter must be used only in vehicles with a negative ground. Do not use the adapter in vehicles with a positive ground.

Doing so may cause fire, burns or electric shock.

Don't

Do not touch the adapter when you see lightning or hear thunder.

Doing so may cause electric shock.

Don't

Do not short-circuit the charging terminals when the adapter is plugged into the power outlet or cigarette lighter socket. Also, do not let the charging terminals contact with your body (hand, finger, etc.).

Doing so may cause fire, burns or electric shock.

Don't

Do not put heavy objects on the power cord of the adapter.

Doing so may cause fire, burns or electric shock.

Don't

When plugging/unplugging the AC adapter into/from the power outlet, make sure that no metallic straps or other metallic objects are caught between the plug and the socket.

Metallic objects may cause fire, burns or electric shock.

Don't

Do not apply excessive force to the top, bottom, left, or right while the adapter is connected to the FOMA terminal.

Doing so may cause fire, burns, injury or electric shock.

No wet hands

Do not touch the power cord of the adapter, charging terminals, desktop holder or the power outlet with wet hands.

Doing so may cause fire, burns or electric shock.

Do

Use the specified voltage and current. Use the AC Adapter for Global use to charge the battery overseas.

Using the adapters with incorrect voltage may cause fire, burns or electric shock.
AC Adapter : AC 100V
DC Adapter : DC 12V/24V
(specific to vehicle with negative ground)
AC Adapter for Global Use :
AC 100V to 240V (household AC outlet only)

Do

If the fuse in the DC adapter blows, always replace it with the specified type of fuse.

Failure to observe this precaution may cause fire, burns or electric shock. Refer to the respective manuals for the information on the specified fuse.

Do

Wipe off any dust on the plug.

Failure to observe this precaution may cause fire, burns or electric shock.

Do

When plugging the AC adapter into the power outlet, make sure to insert it firmly.

Failure to observe this precaution may cause fire, burns or electric shock.

Do

Always grasp the adapter when unplugging the plug from the power outlet or cigarette lighter socket. Do not pull the cord itself.

Failure to observe this precaution may cause fire, burns or electric shock.

Do

When plugging/unplugging the adapter into/from the FOMA terminal, keep it straight and horizontal and do not apply excessive force.

Failure to observe this precaution may cause fire, burns, injury or electric shock.

Unplug

Unplug the adapter from the power outlet or cigarette lighter socket when the adapter will be left unused for a long period.

Failure to observe this precaution may cause fire, burns or electric shock.

Unplug

If water or other liquid gets into the adapter, immediately unplug it from the power outlet or cigarette lighter socket.

Failure to observe this precaution may cause fire, burns or electric shock.

Unplug

Unplug the adapter from the power outlet or cigarette lighter socket before cleaning it.

Failure to observe this precaution may cause fire, burns or electric shock.

5. Precautions for the miniUIM

⚠ CAUTION

Do

Be careful with sharp edges when removing the miniUIM.

Sharp edges may cause injury.

6. Precautions for Use Near Electronic Medical Devices

WARNING

Do

Anyone with an electronic medical device, such as an implanted pacemaker or ICD should use or carry the FOMA terminal at least 15 cm from the site of implantation.

Radio waves from the FOMA terminal can adversely affect electronic medical devices.

Do

Electronic medical devices other than implanted pacemakers and ICDs may also be used outside hospitals. Users of electronic medical devices are advised to ask the manufacturer whether these instruments can be affected by radio waves.

Radio waves from the FOMA terminal can adversely affect electronic medical devices.

Do

If there is a chance that the distance from a person may become less than 15 cm such as when you are unable to freely move around, set the FOMA terminal to not emit radio waves in advance (by setting Self mode, turning the power off, etc.).

Somebody nearby may have an electronic medical device such as an implanted pacemaker or ICD. Radio waves from the FOMA terminal can adversely affect the operation of electronic medical devices.

Do

For use of the FOMA terminal inside medical institutions, follow the instructions given at the respective medical institutions.

7. Material List

Parts		Material	Coating
External chassis	Display	Nylon resin	UV coating
	Key and battery pack storage		
	Sub-display	Polycarbonate resin	UV coating
	Battery-pack-storage-side hinge panel	Polycarbonate resin	UV coating
Display panel		Acrylic resin	Hard coating
Sub-display panel		Polycarbonate resin	UV coating
Sub-display side panel		Polycarbonate resin	Tin deposition, UV coating
Camera and Infrared data port panel		Acrylic, Polycarbonate composite resin	Hard coating
Keys		UV cured resin	–
Side keys		Polycarbonate resin	Aluminum deposition, UV coating
Strike pad		UV cured resin	–

Parts		Material	Coating
Back cover	Outer side	Polycarbonate resin	UV coating
	Inner side	Polycarbonate resin, Silicon rubber	–
External connector terminal cap	External connector terminal cap	Polycarbonate resin, Polyester thermoplastic elastomer	UV coating
	Water stop	Silicon rubber	Silicon coating
Charging terminal		Brass	Gold plating
Battery pack storage	Storage	Metal parts: Stainless alloy Resin: Nylon resin	Metal parts: Nickel plating Resin: –
	Inner frame	Polycarbonate resin	–
	microSD card holder	Stainless alloy	–
	miniUIM card slot	Cover: Stainless alloy Terminal: Phosphor bronze Connector: LCP resin	Cover: – Terminal: Gold plating Connector: –
Battery terminal	Battery terminal connector	Nylon resin	–
	Terminal	Titanium copper	Gold plating
Battery pack N30	Battery pack	Resin: Polycarbonate resin Label: PET resin	–
	Terminal	Glass epoxy resin	Gold plating
Desktop holder N45	External chassis	ABS resin	–
	Charging terminal lever	POM resin	–
	Charging terminal	Phosphor bronze	Gold plating
	External connector terminal	Terminal: Phosphor bronze Resin: PPS resin	Terminal: Gold plating Resin: –
	Rubber cushion	Silicon rubber	–
	Rubber feet	Polyurethane	–
	Screw	Steel	Black nickel plating

Handling precautions

General Notes

- **N-01F is waterproof/dustproof, however, do not allow water to seep in or dust to get in the FOMA terminal. Also, do not allow accessories and options to get wet or be exposed to dust.**
  The battery pack, adapter, desktop holder and the miniUIM are not waterproof/dustproof. Do not use them in humid locations such as bathrooms, and avoid exposing them to rain. If you carry the FOMA terminal close to your skin, sweat may cause internal components to corrode and result in malfunction. The FOMA terminal cannot be repaired in the following cases: the water exposure detection sticker shows water exposure; tests determine that corrosion has occurred due to water exposure, condensation, or perspiration. These cases are not covered by the warranty, and any repairs that may be possible will be carried out at the subscriber's expense.
- **Wipe with a soft, dry cloth (such as an eyeglass cleaning cloth).**
  - Rubbing the display of the FOMA terminal with a dry cloth may scratch the display surface.
  - The display surface may be stained if moisture or dirt is left on it for a long period.
  - Never use chemicals such as alcohol, thinners, benzene or detergents as these agents may erase the printing on the FOMA terminal or cause discoloration.
- **Occasionally clean the connection terminals with a dry cotton swab, etc.**
  Soiled connectors may result in poor connections, loss of power, or incomplete charging. Wipe with dry cloth or cotton swab.
  When cleaning, take care not to damage connectors.
- **Do not place the FOMA terminal near an air conditioning vent.**
  Condensation may form due to rapid changes in temperature, and this may cause internal corrosion and malfunction.
- **Do not put excessive pressure on the FOMA terminal or battery pack.**
  Do not put the FOMA terminal in a bag filled with many objects or sit down with it in a hip pocket. Excessive pressure may result in malfunction or damage to the display, internal circuit or the battery pack, etc.
  Also, if an external device is connected to the external connector terminal (earphone/microphone terminal), excessive pressure may result in malfunction or damage to the connector.
- **Do not scratch the display with metallic objects.**
  Doing so may cause scratches, malfunction or damage.
- **Carefully read the manuals supplied with each of the options.**

Handling the FOMA Terminal

- **Avoid using the FOMA terminal in extremely high or low temperatures.**
  The ambient temperature of the room should be 5℃ to 35℃ with humidity of 45% to 85%.
- **Reception may be affected if you use your FOMA terminal near a land-line phone, television, or radio in use. Use the FOMA terminal away from such devices.**
- **Please keep a separate record of the information you have registered in your FOMA terminal.**
  Please be aware that DOCOMO bears no obligation or responsibility in the event that data is altered or lost.
- **Do not drop the FOMA terminal or expose it to strong shocks.**
  Doing so may cause malfunction or damage.
- **When connecting an external device to the external connector terminal (earphone/microphone terminal), do not insert at an angle or pull the cord.**
  Doing so may cause malfunction or damage.
- **Do not fold the FOMA terminal with the strap pinched between the folding parts.**
  Doing so may cause malfunction or damage.
- **It is normal for the FOMA terminal to become warm while being used or charged. This is not a malfunction. Keep using it.**

- **Do not leave the camera exposed to direct sunlight.**
  Doing so may discolor or burn the components of the camera.
- **Keep the external connector terminal (earphone/microphone terminal) cap closed when not in use.**
  Failure to observe this precaution may cause malfunction due to dust or water getting in.
- **Do not use FOMA terminal with the back cover removed.**
  Doing so may cause the battery pack to fall out, or cause malfunction or damage.
- **Do not put an extremely-thick sticker, etc. on the display or keypads.**
  Doing so may cause malfunction or damage.
- **Do not remove the microSD card or turn off the power while in use.**
  Doing so may cause data loss or malfunction.
- **Do not let magnetic cards, etc. come close to or be sandwiched between FOMA terminal parts.**
  The magnetic data in cash cards, credit cards, telephone cards, floppy disks, etc. may be erased.
- **Do not let strong magnetic objects come close to the FOMA terminal parts.**
  Strong magnetic objects may cause misoperation.

Handling the Battery Pack

- **The battery pack is consumable.**
  Battery life varies depending on usage conditions, etc., but it is time to change battery packs when the usage time has become extremely short even though the battery pack has been fully recharged. In this case, please purchase a new battery pack.
- **The ambient temperature of the room should be 5℃ to 35℃.**
- **The available operating time of the battery pack depends on the conditions of usage and battery pack.**
- **Depending on the usage condition, the battery pack may inflate slightly when the battery life is almost over. This is not a malfunction.**
- **Do not store the battery pack in the following cases:**
  - The battery is fully charged (immediately after the charging is complete)
  - The battery has run out (the phone cannot power on)

  The performance and life of the battery pack may deteriorate.
  It is recommended that you store the battery pack with two battery marks displayed or around 40% battery level.

Handling the Adapter

- **The ambient temperature of the room should be 5℃ to 35℃.**
- **Do not charge the battery pack:**
  - In a humid, dusty or unstable place
  - Near a land-line phone, TV or radio
- **It is normal that the adapter become warm while charging. Keep using it.**
- **Do not use the DC adapter to charge the battery when the car engine is not running.**
  Doing so may drain the car battery.
- **If you use an electrical outlet with an unplugging-protection mechanism, follow the instructions of the manual for the outlet.**
- **Do not expose the adapter to strong shocks. Do not deform the charging terminal.**
  Doing so may cause malfunction.

Handling the miniUIM

- **Do not apply excessive force to the miniUIM when attaching/removing it.**
- **Note that the warranty does not cover damage caused by inserting the miniUIM into another type of IC card reader or writer.**
- **Always keep the IC part clean.**
- **Wipe with a soft, dry cloth (such as an eyeglass cleaning cloth).**
- **Please keep a separate record of the information you have registered in your miniUIM.**
  Please be aware that DOCOMO bears no obligation or responsibility in the event that data is altered or lost.

- **To preserve the environment, bring discarded miniUIM to a docomo Shop or Service Counter.**
- **Do not damage, scratch, unnecessarily touch, or short-circuit the IC.**
  Doing so may cause data loss or malfunction.
- **Do not drop the miniUIM or expose it to strong shocks.**
  Doing so may cause malfunction.
- **Do not bend the miniUIM or place a heavy object on it.**
  Doing so may cause malfunction.
- **Do not put a label or sticker on the miniUIM when attaching it to the FOMA terminal.**
  Doing so may cause malfunction.

Handling the FeliCa Reader/Writer

- **The FeliCa reader/writer function of the FOMA terminal handles delicate signals that require no radio station license.**
- **The 13.56 MHz frequency band is used. If there is another reader/writer around, keep enough distance between the FOMA terminal and the reader/writer. Also, make sure that there is no radio station using the same frequency band nearby.**

Cautions

- **Do not use the altered FOMA terminal. Using an altered device is a violation of the Radio Law/Telecommunications Business Act.**
  A "Technical Conformity Mark " affixed on the manufacturer's specification sticker certifies that the FOMA terminal meets technical regulations for specified radio equipment based on the Radio Law and technical regulations for terminal devices based on the Telecommunications Business Act. If you remove the screws and alter the inside of the FOMA terminal, the technical regulations conformity certification becomes invalid. Do not use the FOMA terminal with the certification invalid, as it is a violation of the Radio Law/ Telecommunications Business Act.
- **Be careful when using the FOMA terminal while driving.**
  A penalty may be imposed for holding a mobile phone while driving. However, exceptions are made in case of emergency, such as to safeguard injured persons or to maintain public safety.
- **Use the FeliCa reader/writer function only in Japan.**
  The FeliCa reader/writer function of the FOMA terminal complies with radio standards of Japan. You may be punished if you use it overseas.
- **Do not modify the system software improperly.**
  This may be regarded as "remodelling" and requests for repair of the terminal may be rejected.

Waterproof/Dustproof Function

N-01F is waterproof to IPX5[*1] and IPX7[*2] standards, and dustproof to IP5X[*3] standard if the external connector terminal cap is closed as well as the back cover is securely attached.

*1 : IPX5 means that the N-01F continues to function as a phone after being sprayed from all directions with 12.5 liters of water per minute from a 6.3 mm diameter nozzle for at least 3 minutes, from a distance of approx. 3 meters.

*2 : IPX7 means that the N-01F retains phone functionality after slowly immersing in still, room-temperature tap water to a depth of 1 meter and leaving it there for 30 minutes before bringing it out of the water.

*3 : IP5X means the level of protection. IP5X means that N-01F continues to function as a phone and to maintain security after being left in a device containing dust (diameter: 75 μm or smaller) for 8 hours, agitated and removed.

The waterproof/dustproof capabilities of N-01F

- You can talk or watch 1Seg without an umbrella in the rain (approx. 20 mm of rain in an hour).
- Do not attach/remove the back cover or do not open/close the external connector terminal cap when your hands are wet or when your FOMA terminal has water drops on it.
- You can rinse the FOMA terminal by immersing and slowly moving in tap water of room temperature filled in a bowl, or rinse it with hands under light running water from the faucet.
  - * Rinse the FOMA terminal with the back cover securely attached while covering the external connector terminal cap to prevent it from opening.
  - * Do not use a brush, sponge, soap, or detergent for washing.
  - * Do not apply running water directly to the mouthpiece/microphone, earpiece or speaker.
- Do not immerse or drop the FOMA terminal in a swimming pool or in the sea.
- If the FOMA terminal comes in contact with any mud or soil, rinse it immediately. If these dry up and set, the dirt would be harder to remove, and it may cause scratches and failures.

Things to keep in mind

- Before use, ensure that you securely close the external connector terminal cap and back cover so that they are completely attached. If any fine dirt (fine fibers, hairs, or sands) is between the cap/cover and the FOMA terminal, water or dust could enter the inside of the FOMA terminal.
- Do not spray or immerse the FOMA terminal in liquids other than water of room temperature as illustrated below.

<Example>



Soap/Detergent/Bath powder



Sea water



Swimming pool

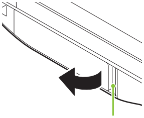


Hot spring

Opening/closing the external connector terminal cap

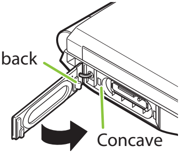
■Opening

Hook your finger on the slot and open the cap in the direction of arrow.



■Closing

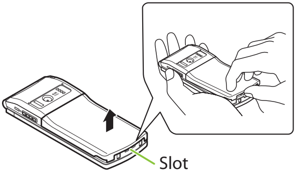
Align the tab on the back of the cap with the concave of the FOMA terminal, then close the cap by pressing securely in direction of arrow.



Attaching/removing the back cover

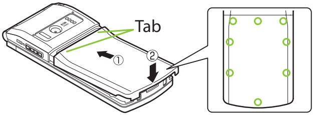
■Removing

Hold the FOMA terminal and hook your finger on the slot to remove the back cover in the direction of arrow without applying excessive force on it.



■Attaching

Insert the left and right tabs of the back cover in direction ①, and push the back cover down securely in direction ②.



Securely push the areas illustrated by ○ and make sure that there is no space between the back cover and the FOMA terminal.

Information

- When removing the back cover, make sure that you drain water (p.19) and wipe moisture off the FOMA terminal.
- When attaching the back cover, make sure that no dust or dirt adheres to the back cover (especially to the rubber packing).
- Water or dust might enter the inside of the FOMA terminal unless you attach the back cover securely.
- When attaching the back cover, make sure that the miniUIM, the microSD card and the battery pack are attached securely. If the miniUIM is not securely inserted, the battery pack sits on the miniUIM which causes a gap between the FOMA terminal and the back cover when attaching the back cover. The waterproof/dustproof function might deteriorate because of the gap.

To maintain waterproof/dustproof function, replacement of parts is recommended once every 2 years regardless of whether the FOMA terminal appears normal or abnormal. DOCOMO replaces the parts as a chargeable service. Bring the FOMA terminal to a repair counter specified by DOCOMO.

Important notices

- If the FOMA terminal gets wet with water or other liquids with the external connector terminal cap or the back cover open, the liquid may get inside the FOMA terminal causing electric shock or malfunction. Stop using the FOMA terminal, turn off the power, remove the battery pack and contact a repair counter specified by DOCOMO.
- The external connector terminal cap and the rubber packing of the back cover play an important role in maintaining waterproof/dustproof function. Do not remove or scratch them. Also, prevent dust from adhering to them. If the external connector terminal cap and the rubber packing of the back cover is damaged or deformed, replace it at a repair counter specified by DOCOMO.
- Do not insert sharp objects through the gap of the external connector terminal cap or back cover. Doing so may damage the rubber packing and allow water to seep or dust to get in.
- If the back cover is damaged, replace it. Water may seep into the inside of the FOMA terminal through a damaged section causing electric shock, corrosion of the battery pack, or other malfunctions.
- Do not leave the FOMA terminal with water drops. In cold places, water may freeze and cause malfunction.
- To prevent condensation, do not transport the FOMA terminal from a cold place to a warm place without allowing the FOMA terminal to reach room temperature.
- Do not apply water flow stronger than allowed (→p.16) (e.g., such water flow that gives you pain when applied to your skin directly from a faucet or shower head). Doing so may cause malfunction though N-01F is waterproof to IPX5 standard.
- Do not wash the FOMA terminal in a washing machine etc.
- Accessories and options are not waterproof/dustproof. When watching 1Seg etc. with the FOMA terminal attached to the provided desktop holder, do not use it in a bathroom, shower room, kitchen or washroom even if it is not connected to the AC adapter.
- Do not put the FOMA terminal in hot water, use it in a sauna or apply hot air flow (from a hair dryer etc.) to it.
- Do not poke the mouthpiece/microphone, earpiece or speaker with cotton swabs or sharp objects. The waterproof/dustproof function may deteriorate.
- Do not leave the FOMA terminal wet. Doing so may cause short-circuit of the supply terminal.
- The FOMA terminal does not float on water.
- Do not drop the FOMA terminal. Scratches caused by dropping may result in deterioration of waterproof/dustproof function.
- Do not leave water on the mouthpiece/microphone, earpiece or speaker. If water adheres to the FOMA terminal, the volume of the other party's voice or melody may be decreased, sound quality may deteriorate, or sound when the camera is functioning may be audible. In such a case, drain the water to recover the function.
- DOCOMO does not guarantee all operations under actual use conditions. Malfunctions deemed to be caused by inappropriate operation by the customer are not covered by the warranty.

Draining water when the FOMA terminal gets wet

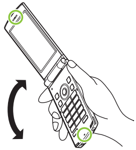
When the FOMA terminal gets wet, drain the water following the steps below.

・ If water adheres to the mouthpiece/microphone, earpiece or speaker, the volume of the other party's voice or melody may be decreased or sound quality may deteriorate. In such a case, drain the water following the steps below and dry the FOMA terminal in open air to recover the function.

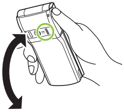
1. Wipe the surface of the FOMA terminal with a clean dry cloth, etc.



2. Securely hold the FOMA terminal and shake it approx. 20 times until there is no more water splattering



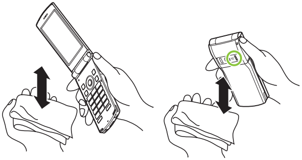
<Draining from mouthpiece/ microphone or earpiece>



<Draining from speaker>

3. Softly press a clean dry cloth etc., on the FOMA terminal to wipe off water remaining in the mouthpiece/microphone, earpiece, speaker, keys or hinges

   * Do not wipe off water remaining in gaps directly with a cotton swab etc.



4. Thoroughly wipe off water drained from the FOMA terminal with a clean dry cloth, etc.

   * Water, if any, remaining in the FOMA terminal may leak out after wiping off.

When charging the battery

Accessories and options are not waterproof/dustproof. Check the following before and after charging.

・ Make sure that the FOMA terminal is not wet. If the FOMA terminal is wet, thoroughly drain the water and wipe off with a clean dry cloth, etc. before placing it on a provided desktop holder or opening the external connector terminal cap.

・ When the external connector terminal cap is opened for charging, close the cap securely after charging. It is recommended that the desktop holder be used for charging to prevent water from seeping inside and dust from getting in through the external connector terminal.

* Never try to charge the battery pack when the FOMA terminal is wet.

* Do not touch the AC adapter or desktop holder with wet hands. Doing so may cause electric shock.

* Use the AC adapter or desktop holder in a place free from water splashes. Do not use them in a bathroom, shower room, kitchen, washroom and other places subject to water. Otherwise, it may cause fire or electric shock.

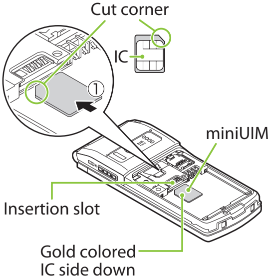
Attaching miniUIM/battery pack

Make sure to turn the power off before attaching/removing the miniUIM or the battery pack. Also, keep the FOMA terminal folded and held in your hand.

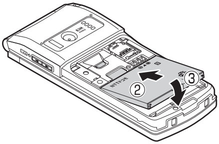
- The miniUIM is an IC card that contains private information such as your phone number.
- This FOMA terminal only supports the miniUIM. If you have a UIM or UIM (FOMA card), check with a docomo Shop Service Counter for a replacement.

❶ **Remove the back cover (→p.17)**

❷ **Insert the miniUIM**
Insert the card into the slot until it locks in place in direction ① with the gold colored IC side down.



❸ **Attach the battery pack**
With the side marked Ⓐ facing up, attach the battery pack in direction ② making sure that its metal terminal fits into the FOMA terminal's metal terminal, then press the battery pack down in direction ③.



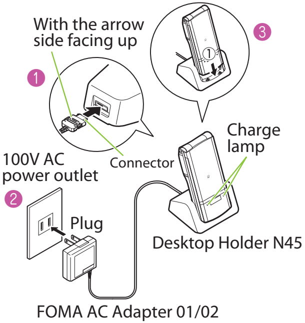
❹ **Attach the back cover (→p.17)**

Charging

For the charging time and continuous talk time, refer to "Main specifications" (→p.92).

- The battery pack, AC adapter and provided desktop holder are not waterproof/dustproof. Never charge the battery with the FOMA terminal left wet.
- It is recommended that the desktop holder be used for charging to prevent water from seeping inside and dust from getting in through the external connector terminal.
- The charge lamp lights up when charging starts. The charge lamp turns off when charging ends (fully charged).

Charging using desktop holder



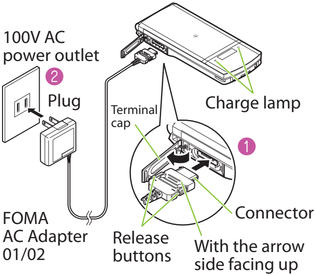
❶ Plug the connector of the AC adapter (optional) horizontally, facing the face with an engrave mark up, into the external connector terminal on the back of the provided desktop holder

❷ Plug the AC adapter into the outlet

❸ Holding down the desktop holder, insert the FOMA terminal in direction ① and securely attach it
- Take care not to pinch the strap, etc. when attaching it.

❹ When charging is complete, the FOMA terminal can be removed by simultaneously holding down the desktop holder and lifting up the FOMA terminal

Charging using AC adapter



❶ Open the external connector terminal cap of the FOMA terminal (→p.17), then plug the AC adapter connector horizontally, facing the face with the engraved mark up, into the FOMA terminal's external connector terminal

❷ Plug the AC adapter into the outlet

❸ When charging is complete, remove the AC adapter connector horizontally from the FOMA terminal while pressing the release buttons, then unplug the AC adapter from the outlet

Turning power ON/Configuring default setting

1 [power key] (1 second or longer)

■ If Initial setting screen appears

When you turn the power on for the first time after purchase, Initial setting screen appears.
If you select "YES", screens for initial settings such as "Auto time", "Change security code" and "Keypad sound" appear.

■ To turn the power off

Press [power key] for 2 seconds or longer.

Information

- For the initial settings, you can also set the time difference adjustment and character size. After you set all functions, Initial setting screen will no longer appear at power on.

Notifying your caller ID on the other party's phone

Set whether to show your phone number (caller ID) on the other party's phone (display) when making a call.

1 MENU ▶ "TEL function" ▶ "Dial/Receive setting" ▶ "Caller ID notification" ▶ "Activate/Deactivate" ▶ "ON" or "OFF"

Information

- If you hear a message requesting your caller ID, make a call again with Caller ID notification enabled or with 186 prefix.

Checking your own phone number

On Profile screen, check your phone number (own number) stored in your miniUIM and model name.

1 MENU ▶ **"Profile"**

You can also check your phone number by pressing MENU ▶ 0.

Information

- Only phone numbers are displayed by default in the Profile screen.
  To save mail address, enter directly or obtain from i-mode automatically as follows.
  On Profile screen, [camera] (Edit) ▶ Enter your security code ▶ <Mail address> ▶ "Acquire Automatically" ▶ Connect to i-mode to enter your mail address to <Mail address> field automatically ▶ [camera] (Finish).
- To change your mail address, refer to NTT DOCOMO website.

Switching between Japanese and English

1 MENU ▶ **"本体設定" (Setting)** ▶ **"文字表示/入力" (Text display/input)** ▶ **"Select language" (バイリンガル)** ▶ **"English" (日本語)**

Screen Explanation

Viewing display/icon

Symbols (, , , etc.) displayed on the screen are referred to as icons. Icons indicate the status of such as the FOMA terminal and signal reception.

Icons indicating the status of the FOMA terminal

At the top of the screen, icons indicate the status of the FOMA terminal.

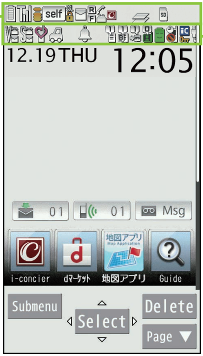
Battery level (use this icon as a guide)

- : Fully charged.
- : Recharge the battery.

Signal strength

Good ⟷ Poor

- : Out of the FOMA service area
- : During i-mode
- : Unread mail
- : During a voice call
- : Dial lock is set
- : New i-concier information
- : Multitask activating
- : microSD card inserted



- : Vibrator set
- : Ring volume set to "Silent"
- : Manner mode ON
- : Public mode (Drive mode) ON
- : Alarm notification function ON
- : The number of Voice Mail messages for voice/videophone calls
- : The number of record VP messages
- : eco mode set
- : Auto-key lock set
- : USB cable connected and Communication mode on

Information

- Only major icons are covered here. To check the names of the icons, MENU ▶ "Setting" ▶ "Screen/ Display" ▶ "Icons".

Desktop icons and shortcut icons

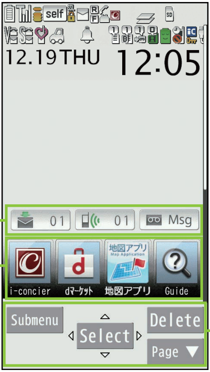
In the middle of the screen, desktop icons indicate the status of new arrivals. You can paste shortcut icons, with which you can launch functions.

Desktop icons (examples)

- 01 : Missed call
- Msg : Record message
- Msg : Record VP message
- VM : Voice Mail
- 01 : New mail

Shortcut icons (examples)

- : i-concier
- : 使いかたガイド (Guide) (Japanese)
- : Voice quick start
- : Medias viewer



Function display area
→p.27

Information

- To select a desktop icon or shortcut icon to launch a function, on the standby screen ▶ ◉.

Viewing sub-display

On the sub-display, incoming call, mail or alarm notifications appear with various messages, images or animations.

Example



Clock (Digital 1)

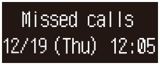


Missed call/ New mail

Checking missed calls/new mail

Checking missed calls

Press ▲ [マナー] to view "received date/time/caller's name (phone number)", etc.



Checking new mail

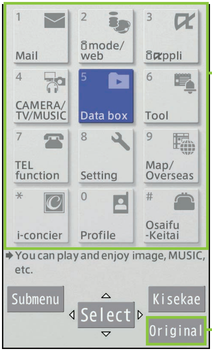
Press ▲ [マナー] to view "sender/received date and time/subject", etc. You need to set "Mail" under "Sub-display setting" to "ON".

MENU ▶ "Setting" ▶ "Screen/Display" ▶ "Sub-display setting" ▶ "ON" ▶ "Mail" ▶ "ON" ▶ 📷 (Finish).

Viewing main menu

You can select various functions of the FOMA terminal from the main menu.

・ The main menu here is in "Standard".



Mail	:	Display the mail functions.
i-mode/web	:	Display the menus of i-mode and Full Browser.
i-αppli	:	Display the i-αppli menu.
CAMERA/TV/MUSIC	:	Display the menus of Camera, MUSIC Player and 1Seg.
Data box	:	Display folders in Data box.
Tool	:	Display useful functions.
TEL function	:	Display phone functions such as the phonebook, dialed/received calls, etc.
Setting	:	Display the setting menu of the FOMA terminal.
Map/Overseas	:	Display the menus of Map and Overseas setting.
i-concier	:	Display the i-concier screen.
Profile	:	Display the miniUIM own number, etc.
Osaifu-Keitai	:	Display the setting menus of IC card, ToruCa, etc.

(Original) : Display the original menu.

Changing the design of the main menu

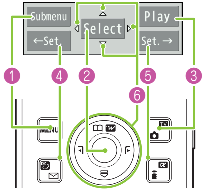
You can change the design of the main menu (background, icon, etc.). Choose from "Standard", "Colourful", "neco", "Simple", "Original theme" and "Kisekae Tool".

❶ MENU ▶ [camera key] (Kisekae) ▶ Select a design

Key operation

The soft keys (Function display) corresponding to MENU, ●, [camera key], [mail key], [i key], and the direction icons corresponding to [multi-key] are displayed on the screen. These icons appear only when the corresponding keys can be used.

Performing the functions assigned to the function key



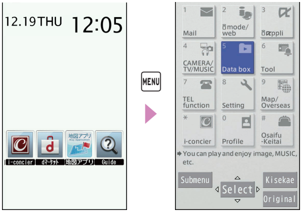
Display examples and assigned functions

❶ shows (Submenu), (Exit), (MENU), etc.
❷ shows (Select), (Set), (Play), (Send), etc.
❸ shows (Set), (Edit), (Finish), (Play), (Send), (New), etc.
❹ shows (Back), (microSD), (←Set.), etc.
❺ shows (Change), (Delete), (Set.→), etc.
❻ shows an icon (◁⇕▷) to indicate direction available for moving or scrolling vertically and horizontally. Press [multi-key] to move or scroll the direction.

Menu operation

You can select various functions of the FOMA terminal from the main menu, which appears when you press [MENU] on the standby screen.

1 [MENU] ▶ [Navigation key] to move the highlight, then [●] (Select) ▶ Select the displayed menu sequentially



Information

• If no key is pressed for 15 seconds or longer while the main menu is displayed, the main menu ends and the previous screen reappears.

When Submenu is displayed

When Submenu is displayed at the bottom left of the screen, pressing [MENU] displays functions, which can be used on the screen, such as saving, editing and deleting. When the submenu contains more menu items, "[+]" is displayed.

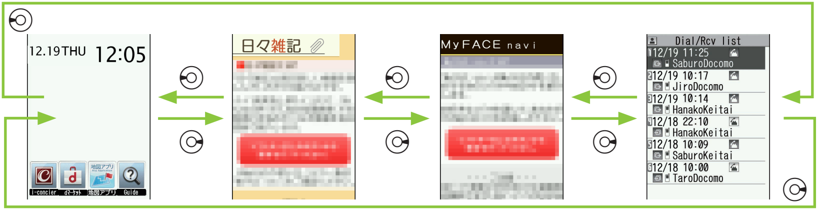
docomo Palette UI

You can switch from the standby screen to the MyFACE and shortcut list, and easily access various functions or services. In addition, you can freely customize this new function.

Using MyFACE

Activating MyFACE

1 On the standby screen,



Downloading MyFACE content from sites

You can download MyFACE content up to approx. 600 KB from i-mode sites.

1 Select MyFACE on a MyFACE downloadable site ▶ to select where to register the content ▶ Select "YES" or "NO" whether to automatically update the content or service

Information

- You can register up to 12 MyFACE contents.
- Downloading upgrades of MyFACE will result in packet communication charges.

Using shortcuts

Activating a shortcut

5 or more shortcut icons are registered by default.

1. On the standby screen, ⓠ ▶ ⓠ
2. ✥ to select a shortcut icon, then ◉ (Select)

Creating a shortcut

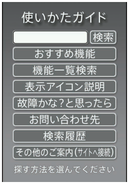
1. On the screen for which you want to create a shortcut, MENU (Submenu) ▶ "Create shortcut"

Using Guide

Using the "Guide" enables you to check the operations. You can look up the functions without the manual (in Japanese only).

*** "使いかたガイド" (Guide) is not available when "English" is set for "Select language".**

1. MENU ▶ "便利ツール" (Tool) ▶ "使いかたガイド" (Guide)
2. Enter the keyword or select searching method



Guide screen

Character Entry

Entering characters

When entering information to save to the phonebook, or creating mails or schedules, enter text.

① Switching entry modes

Press (Chrct) on the text entry screen to display entry mode change screen.



Entry mode change screen

② Entering characters

Press a dial key several times to enter your desired text.

〈Example : when pressing 2〉

When entering Alphabetic
"a→b→c→A→B→C→2"

When entering Numeric
"2"

When entering Kanji/Hiragana
"か→き→く→け→こ"

When entering Kana
"カ→キ→ク→ケ→コ→2"

③ Converting entered text

Convert entered text to Kanji or Kana.

- : Display conversion candidates
- : Select from the candidates
- : Convert to Kanji, etc. to change the conversion range
- : Convert to Alphabetic, Numeric and Kana
- : Set

Information

■ Other key operations

CLR : Delete character.
＊ : Insert a line feed, switch upper case/lower case, or enter dakuten/handakuten.
: Return to the previous character assigned to that key.
(1 second or longer) : Undo the operation such as pasting or cutting.
: Enter Pictograph or symbols consecutively or enter face marks or URL.
While displaying List, pressing MENU or switches the tabs.

Let's enter text.

<Example : entering "秋のキャンプ (Autumn camp)">

Enter Hiragana

1 once あ	2 twice き
5 5 times の	2 twice き
8 once や	＊ once to lower case
0 3 times ん	6 3 times ふ
＊ twice ° (Han-dakuten)	

▶ to move the cursor to the target conversion candidate and then to select the candidate

▶ (Select)

Entering Deco-mail pictogram/Deco-mail picture

Deco-mail pictograms/Deco-mail pictures are images that meet certain conditions, including moving pictogram.

Press (PI · SB) on the Message screen and then use MENU or to display the "Deco" or "D-picture" tab. Use to move the frame and press (Select) to enter a Deco-mail pictogram or Deco-mail picture.

Pressing # under the "Deco" tab displays the categorized Deco-mail pictogram entry screen.

Changing ring tone

Changing the ring tone for calls

1 MENU ▶ "Setting" ▶ "Sound/Vib./Manner" ▶ "Select ring tone" ▶ "Phone" ▶ "Select ring tone" ▶ "Melody" ▶ Select ring tone

Information

- Other options such as a melody, i-motion, Chaku-Uta®, or Chaku-Uta-Full® can be set to ring tones.
  When i-motion is set, a video also plays.

* "Chaku-Uta" and "Chaku-Uta-Full" are registered trademarks of Sony Music Entertainment (Japan) Inc.

Adjusting volume of ring tone

Adjusting the volume of calls

1 MENU ▶ "Setting" ▶ "Sound/Vib./Manner" ▶ "Ring volume" ▶ "Phone" ▶ ⓪ to adjust the volume, then ◉ (Set)

Setting vibrator

Informing you of incoming calls by vibration

1 MENU ▶ "Setting" ▶ "Sound/Vib./Manner" ▶ "Vibrator setting" ▶ "Phone" ▶ Select a vibration pattern

Using manner mode

Set the FOMA terminal not to play ring tones or keypad sound through the speaker with a single key operation. Even in manner mode, the camera shutter sound, the auto focus lock sound or the start/end/pause sound of a moving picture recording or a voice recorder plays.

1 On the standby screen, [#] (1 second or longer)

appears on the standby screen.

■ To release the setting

On the standby screen, [#] (1 second or longer)

Setting keypad sound OFF

1 [MENU] ▶ "Setting" ▶ "Sound/Vib./Manner" ▶ "Other sound setting" ▶ "Keypad sound" ▶ "OFF"

Changing screen setting

Changing standby display

1 [MENU] ▶ "Setting" ▶ "Screen/Display" ▶ "Stand-by display" ▶ "Stand-by display" ▶ Select an image

Changing display brightness

Set the backlight behavior of the display or keys, and adjust the brightness.

1 [MENU] ▶ "Setting" ▶ "Backlight/Illum." ▶ "Backlight" ▶ Select an item

Making display hard to see from people around

Privacy angle makes it difficult for others to see the display. When Privacy angle is set, [icon] is displayed on the standby screen.

1 [8] (1 second or longer)

■ To release the setting

[8] (1 second or longer)

Information

- You may not be able to set/release the Privacy angle while editing a text, etc.

Changing menu display

1 [MENU] ▶ "Setting" ▶ "Screen/Display" ▶ "Menu display set" ▶ Select an item

Changing font settings

1 On the standby screen, [7] (1 second or longer) ▶ "Select font" ▶ Select a folder ▶ Select an item (font), then [📷] (Set) ▶ Select the thickness in "Thickness" ▶ Select a character size in "Character size"

Changing Machi-chara setting

Set Machi-chara, and a character appears on the standby screen to inform you of i-concier information, missed call, new mail, unread mail, etc.

1 [MENU] ▶ "Setting" ▶ "Screen/Display" ▶ "Machi-chara setting" ▶ "Display setting" ▶ "ON"

2 Select a folder ▶ Select a Machi-chara ▶ [📷] (Set)

Information

- i-αppli and Machi-chara cannot be set to the standby screen at the same time.

Setting Kisekae Tool

Set various FOMA terminal designs such as screens and ring tones at once.

1. MENU ▶ "Setting" ▶ "Screen/Display" ▶ "Kisekae Tool setting" ▶ Select a folder
2. Highlight an item ▶ [Camera] (Set all) ▶ "YES"

Information

- When you use Kisekae Tool to change the menu display design, the structures of some menus may change in accordance with the frequency of use.

Changing illumination when receiving

Set the illumination flashing color or pattern used when you receive voice/videophone calls, mails, MessageR/F or i-concier information.

Changing the illumination for incoming calls

1. MENU ▶ "Setting" ▶ "Backlight/Illum." ▶ "Illumination setting" ▶ "Illumination in call" ▶ "Illumination" ▶ "Phone"
2. Select a color ▶ CLR ▶ "Set pattern" ▶ Select a pattern

Information

- You can set different flashing colors to arriving calls or mails from the specified phone numbers, mail addresses and a set of group.

■ To set the flashing color to phonebook

On Phonebook detail screen, MENU (Submenu) ▶ "Set" ▶ "Ring tone/Image" ▶ Select the tab of the item to set ▶ "Illumination"

Checking missed calls or new mail with illumination

Set whether to keep the illumination flashing or to stop flashing.

Setting illumination

❶ MENU ▶ "Setting" ▶ "Backlight/Illum." ▶ "Illumination setting" ▶ "Illumination in call" ▶ "Missed info" ▶ "ON" or "OFF"

Checking with illumination

When there is a missed call or new mail (i-mode mail, Message R/F, Area Mail or SMS), notification is made with the illumination, which keeps flashing.

Setting eco mode

When eco mode is set, the settings are collectively changed to reduce battery consumption. This is useful for saving battery power.

❶ 5 (1 second or longer)

■ To release the setting

5 (1 second or longer)

eco mode autostart

eco mode is automatically enabled/disabled depending on whether the battery level is higher or lower than the set range.

❶ MENU ▶ "Setting" ▶ "Battery" ▶ "eco mode autostart"

❷ "ON" ▶ "Battery level" ▶ Select a battery level ▶ 📷 (Finish)

Various security codes

To make the FOMA terminal more convenient and secure, some functions require the security code.

Terminal security code

■ Default：0000

This security code is required for deleting all data, changing settings, etc.

You can change the number.
MENU ▶ "Setting" ▶ "Lock/Security" ▶ "Change security code" ▶ Enter your current security code ▶ Enter a new 4- to 8-digit security code ▶ "YES"

Network security code

■ Any code is set at time of subscription

A 4-digit number is required to verify your identity when you subscribe to some services at a docomo Shop, docomo Information Center and "お客様サポート" (User support) (in Japanese only), or when you use network services.

You can change the number. Via i-mode,
i ▶ "お客様サポート" (User support) ▶ "各種設定（確認・変更・利用）" (Various settings [confirm, change, use]) ▶ "ネットワーク暗証番号変更" (Change Network security code)

i-mode password

■ Default：0000

This password is required to register/unregister sites in My Menu, to use Message service, to subscribe to/cancel i-mode pay services, and to perform other operations.

You can change the number. Via i-mode,
i ▶ "English" ▶ "Options" ▶ "Change i-mode Password"

PIN1 code/PIN2 code

■ **Default：0000**

These codes are set to the miniUIM. PIN1 code is a 4- to 8-digit number to prevent unauthorized use of the miniUIM by a third party and must be entered every time you insert the miniUIM into the FOMA terminal or turn on the power. PIN2 code is a 4- to 8-digit number that you enter when performing tasks such as resetting total call charges. If you enter an incorrect PIN1/PIN2 code three times in a row, the PIN1/PIN2 code is locked and cannot be used any more (remaining allowable counts appear on the screen). After you enter the correct PIN1/PIN2 code, the number of times for entry is reset to three.

You can change the number.
MENU ▶ "Setting" ▶ "Lock/Security" ▶ "UIM setting" ▶ Enter your security code ▶ "Change PIN1 code" or "Change PIN2 code" ▶ Enter your current PIN code ▶ Enter a new PIN code ▶ Enter a new PIN code again for confirmation.
・To change the PIN1 code, set "PIN1 code entry set" to "ON".

PIN unblocking key (PUK)

PIN unblocking key (PUK) is an 8-digit number used to unlock PIN1 or PIN2. The PIN unblocking key (PUK) cannot be changed.
・If the wrong PIN unblocking key (PUK) is entered ten times in a row, the miniUIM is then completely locked. In this case, contact a docomo Shop Service Counter.

■ Notes on the security codes

- When setting a security code, avoid using personal information such as date of birth, telephone number, street address/room number, "1111" and "1234" that may be guessed by a third party. Keep records of your security codes.
- Keep your security code private. If the security code is disclosed to others and abused, DOCOMO shall have no liability for any damage due to any unauthorized use of it.
- If you have forgotten your security codes, please bring your FOMA terminal, miniUIM and official documents that verify your identity, such as a driver's license, to a docomo Shop Service Counter. For details, contact "General Inquiries" on the back cover of this manual.
- Your PIN unblocking key (PUK) is written on application form (copy for customer), which a docomo Shop gives you at time of subscription. If you have subscribed at a retailer other than the docomo Shop, please bring your miniUIM and official documents that verify your identity, such as a driver's license, to a docomo Shop Service Counter, or contact "General Inquiries" on the back cover of this manual.

Various lock functions

You can protect your important information in your FOMA terminal with the following locks.

Type of Lock	Function	Setting procedure
Dial lock	Lock your terminal so that no one can use it. Even if you turn the power off, Dial lock will not be unlocked.	To activate: MENU ▶ "Setting" ▶ "Lock/Security" ▶ "Lock" ▶ Enter your security code ▶ "Dial lock" To deactivate: On the dial lock setting screen, enter your security code ▶ ⦿ ・5 consecutive failed entries to release the Dial lock will turn your FOMA terminal off.
Omakase Lock	If you misplace your FOMA terminal, etc., you can lock the personal data such as phonebook or IC card function of Osaifu-Keitai only by contacting DOCOMO.	Setting/releasing Omakase Lock 0120-524-360 Business hours : 24 hours (open all year round) (in Japanese only) * Unavailable from part of IP phones. * My docomo is also available to set/release Omakase Lock via PC, etc. (in Japanese only)
Original Lock	Lock functions that use private information such as mail or phonebook entries to prevent others from viewing or altering these improperly.	To activate: MENU ▶ "Setting" ▶ "Lock/Security" ▶ "Lock" ▶ Enter your security code ▶ Select an item in Original lock To deactivate: MENU ▶ "Setting" ▶ "Lock/Security" ▶ "Lock" ▶ Enter your security code ▶ "OFF"
IC card lock	You can lock the IC card functions such as Osaifu-Keitai or reception of ToruCa to prevent others from using them without your permission.	To activate: On the standby screen, 3 (1 second or longer) To deactivate: On the standby screen, 3 (1 second or longer) ▶ Enter your security code
Auto-key lock	Lock key operations automatically when the FOMA terminal is folded or turned off, or no operation is performed for a certain period of time.	To activate: MENU ▶ "Setting" ▶ "Lock/Security" ▶ "Auto-key lock" ▶ Enter your security code ▶ Select an item ▶ 📷 (Finish) To deactivate temporarily: On the Auto-key lock setting screen, enter your security code ▶ ⦿

Setting incoming call restriction

Rejecting calls without caller ID

Set whether to accept or reject voice/videophone calls from unidentified numbers by configuring the setting for each reason.

1 MENU ▶ "Setting" ▶ "Lock/Security" ▶ "Call rejection set."

2 Enter your security code ▶ Select any item from "User unset" to "Unknown" ▶ "Accept" or "Reject"

If you select "Accept", you can set "Select ring tone" and "Select calling disp.".

Information

- The setting can be configured for each of the following reasons.
  - User unset : Calls made by callers who opt not to send caller ID
  - Payphone : Calls from pay phones, etc.
  - Unknown : From callers who are unable to provide the caller ID, such as calls from overseas or calls from land-line phones sent via a call forwarding service

Rejecting calls from numbers not stored in phonebook

Set whether to accept or reject calls from callers not in the phonebook.

1 MENU ▶ "Setting" ▶ "Lock/Security" ▶ "Call rejection set."

2 Enter your security code ▶ "Reject unknown" ▶ "Accept" or "Reject"

Information

- This function is valid only for calls with caller ID.
  It is recommended that you also set "Caller ID request" and "User unset" in this function.

Resetting to default

Resetting the function settings to default

Reset the function settings to default. For the function that can be reset, see "Menu list" (→p.88).

"Initialize" and "Reset settings" are different. Do not mix them up.
If you perform "Initialize", you will lose all data you have stored.

1 MENU ▶ **"Setting"** ▶ **"Other setting"** ▶ **"Reset settings"** ▶ **Enter your security code** ▶ **"YES"**

Deleting stored data at once

Delete stored data and reset the function settings to default.

Performing "Initialize" deletes all of your important data, logs or information such as personal data like phonebook entries or mails, downloaded images or melodies, i-αppli, Widget Appli, PDF data, the photo images (still images) or moving pictures shot by camera, or various log records or information, etc. (protected data is also deleted).

1 MENU ▶ **"Setting"** ▶ **"Other setting"** ▶ **"Initialize"** ▶ **Enter your security code** ▶ **"YES"** ▶ **"YES"**

Information

- Pre-installed data will not be deleted. However, Osaifu-Keitai compatible i-αppli that is deletable may be deleted. Pre-installed i-αppli/Widget Appli will be deleted if they have been upgraded or deleted then downloaded.
- Data stored/registered/set in a miniUIM or microSD card will not be deleted.
- Charge the battery fully before initializing. Initialization may not be possible if the battery is low.
- Do not turn off the power while initializing.

Making a call/videophone call

The image sent to the other party during a videophone call is the substitute image (Chara-den) or rear camera image because the N-01F does not have a front camera.

Making a call by entering the phone number

1. **Enter the phone number starting with the area code, then [voice call key] (voice call) / [camera key] (V.phone)**
2. **After the call ends, [end key]**

Making a call from phonebook

Add the phone number of the other party to the phonebook in advance. (→p.55)

1. **[key] (Search phonebook) to select a search condition and search the phonebook ▶ [navigation key] to select an entry, then [voice call key] (voice call) / [camera key] (1 second or longer) (V.phone)**

Making a call with redials

1. **[MENU] ▶ "TEL function" ▶ "Dialed/Received call" ▶ "Redial" to select the other party, then [voice call key] (voice call) / [camera key] (V.phone)**

■ **To make a call with received calls**

[MENU] ▶ "TEL function" ▶ "Dialed/Received call" ▶ "Received calls" ▶ "All calls" or "Missed calls" to select the other party, then [voice call key] (voice call)/[camera key] (V.phone)

Using Koe-no-Takuhaibin

This is a service to record a voice message and deliver it to the other party.

① Enter the other party's phone number, then ✉ (Koetaku)

② Follow the operation guidance and record a message

The other party will be notified that a message is waiting.

■ To play a recorded message

On the Recording notification SMS detail screen, "再生" (Play) ▶ "YES"

Also, it can be played from: MENU ▶ "TEL function" ▶ "Koe-no-Takuhaibin" ▶ "Message confirm (voice)" ▶ "YES".

Making an international call

Use WORLD CALL to make international calls from Japan.

・ For WORLD CALL, please contact "General Inquiries" on the back cover of this manual.

① 010 ▶ Country code ▶ Area code (City code) ▶ The other party's phone number ▶ [Send] (voice call) / [Camera] (V.phone)

② After the call ends, [End]

Information

- Dial the other party's phone number excluding "0" at the beginning of the area code (city code). However, to make a call to some countries/areas, such as in Italy, "0" is required.
- You can make calls from overseas. (→ p.48)

Receiving a call/videophone call

When you receive an incoming call, the ring tone sounds and the illumination flashes.

① When you receive an incoming call, [Send] or ◉ (V.phone)/(Subst.)

You can only receive a videophone call with a substitute image.

② After the call ends, [End]

Connect

Adjusting earpiece volume

1 MENU ▶ "TEL function" ▶ "Dial/Receive setting" ▶ "In-call setting" ▶ "Volume" ▶ Adjust with ◎ ▶ ◉ (Set)

Information

- During a call, you can adjust the volume with ▲[マナー]/▼.

When you can not answer a call

Setting record message

When you cannot answer a voice or videophone call, the FOMA terminal can record a voice or videophone message.

1 MENU ▶ "TEL function" ▶ "Rec. msg./Voice memo" ▶ "Record message setting" ▶ "ON" ▶ "Phone" or "Videophone" ▶ Select an item

2 Set ring time (3-digit number between 000 and 120 seconds)

■ If you receive a call with Record message setting ON

Record message activates if the set time ends. Press [call key] to answer a voice call/ videophone call while recording.

■ To play a recorded message

On the standby screen, ◉ ▶ "Msg" (Record message) or "Msg" (Record VP message) ▶ Select an item

Setting Public mode (Drive mode)

When Public mode (Drive mode) is set, a caller hears a message that you cannot answer the call because you are driving or in a place where you have to refrain from using a mobile phone (on a train or bus, in a theater, etc.), then the call ends automatically.

1 On the standby screen, [＊] (1 second or longer)

[car icon] appears on the standby screen.

■ To release the setting

On the standby screen, [*] (1 second or longer)

Setting Public mode (Power OFF)

When Public mode (Power OFF) is set, a caller who made a call while the power is off hears a message that you cannot answer the call because you are in a place where you have to turn off the mobile phone (in a hospital, on an airplane, around a priority seat on a train, etc.), then the call ends automatically.

1. [*][2][5][2][5][1] ▶ [Send]

■ To release the setting

[*][2][5][2][5][0] ▶ [Send]

Using various network services

Connect

■ Available network services

Useful DOCOMO network services are available.

- The network services are not available when you are outside the service area or in a place where the signal is weak.
- For details, refer to NTT DOCOMO website.
- For the application and inquiries, please contact "General Inquiries" on the back cover of this manual.

Service name	Application	Monthly charge
Voice Mail Service	Required	Charged
Missed call notice service	Not required	Free
Call Waiting	Required	Charged
Call Forwarding Service	Required	Free
Nuisance Call Blocking	Not required	Free
Caller ID Notification	Not required	Free
Caller ID Request	Not required	Free
English Guidance	Not required	Free
Multi Number	Required	Charged
2in1	Required	Charged
Public mode (Drive mode)	Not required	Free
Public mode (Power OFF)	Not required	Free
Melody call	Required	Charged
Koe-no-Takuhaibin	Not required	Free

Setting voice mail service

1 MENU ▶ "TEL function" ▶ "Voice mail service" ▶ Select an item

Setting call waiting

1 MENU ▶ "TEL function" ▶ "Other network serv." ▶ "Call waiting" ▶ Select an item

Setting call forwarding

1 MENU ▶ "TEL function" ▶ "Other network serv." ▶ "Call forwarding" ▶ Select an item

Emergency call

Emergency call	Phone number
Police emergency	110
Fire brigade/Ambulance emergency	119
Maritime distress call	118

- Your FOMA terminal supports "Emergency Location Report". Calls made to emergency service organizations (e.g. by dialing 110, 119 or 118) disclose information on the caller's location to the organization receiving the call. The location information may not be correctly sent depending on the current location or signal quality. The location information and phone number are not disclosed when, before each individual call made, "184" or another blocking prefix is dialed first. If the information is deemed necessary for the protection of life, etc., this information may be acquired by the organization being called. Locations/timing planned for adoption of this feature vary according to the status of the preparations by the relevant emergency service organizations.
- When calling 110, 119 or 118 from the FOMA terminal, first say you are calling from a mobile phone, give your number, and state your location clearly, because the police or fire department may call you back for confirmation. Also, do not move around when making the call. Do not turn off the power immediately after ending the call, but leave it turned on for ten minutes or so, so that you can receive a call.
- Depending on the area you are calling from, you may not be connected with the nearest police or fire department, etc.

- When making a videophone call to 110, 119 or 118 from the FOMA terminal, the call automatically changes to a voice call.
- If you make a voice call to an emergency phone number (110, 119, or 118), the following functions will be disabled and then set again automatically after approximately 5 minutes.
  - "Call rejection"/"Call acceptation"
  - "Call forwarding"
  - "Voice mail"
  - "Org. lock(Original Lock)" — "Incoming/Mail disp." — "Incoming call"
  - When "Reject unknown" of "Call rejection set." is set to "Reject" (also including "Secret" — "Incoming call act." — "Alert+Show No.")
  - When "Voice mail"/"Call forwarding"/"Call rejection" in "Arrival call act" is set
- If you make a voice call to an emergency phone number (110, 119, or 118) while "Public mode (Drive mode)" or "Self mode" is set, the setting will be canceled.

Connect

Using overseas

To make calls overseas, use international roaming (WORLD WING).

■ International roaming (WORLD WING) is the service, which enables you to make calls and perform communication over networks of affiliated overseas operators using the FOMA terminal, phone number and mail address of your own for Japan, even when you are overseas. Voice calls, SMS and i-mode mail services are available without any special settings.

■ Supported area

This FOMA terminal is Class 4 and can be used in 3G or GSM/GPRS network service areas. Also it can be used in countries/regions compatible with 3G850 MHz. Check available areas.

■ Before overseas use, refer to the following:

- "Mobile Phone User's Guide [International Services]"
- DOCOMO "International Services website"

■ Information

- For a country code, international call access code, universal number international prefix, available countries and overseas operators, refer to "Mobile Phone User's Guide [International Services]" or DOCOMO "International Services website".
- Overseas usage fees (call charge, packet communications charge) differ from those in Japan.

Available services overseas

Main communication services	3G	GSM/GPRS	GSM
MyFACE*1	○	○	×
Voice call*2	○	○	○
Videophone call*2	○	×	×
SMS*3	○	○	○
i-mode*4	○	○	×
i-mode mail	○	○	×
i-channel*4*5	○	○	×
i-concier*6	○	○	×
i-Widget*7	○	○	×
Packet communications via a PC	○	○	×

*1 : "Auto-upd set. roam" setting is required.
Packet communications charges will apply when you automatically update MyFACE content that was registered at the time of purchase.
When traveling overseas from Japan, "MyFACE auto-update set" is set to "Don't auto-update". When using auto-update for the first time, select whether or not to auto-update overseas.
*2 : When 2in1 is active, dialing using Number B is not available. Dialing using the additional number of Multi number is not available.
*3 : When sending an SMS to FOMA terminal user, enter the other party's phone number as in Japan.
*4 : "i-mode overseas use" setting is required.
*5 : "i-channel overseas use" setting is required. Packet communications charges will apply when you automatically update information on "Basic Channel". (Included in i-channel charges in Japan.)
*6 : Overseas use setting for i-concier is required. Packet communications charges will apply for each reception of information.
*7 : "i-Widget overseas use" setting is required. When you open the i-Widget screen, multiple Widget Appli may establish communications. In this case, packet communications charges will apply for each communication.

Information

- Some services are not available depending on the operator or network overseas.

Making a call to outside the country you stay in

1. On the standby screen, [0] (1 second or longer) to enter + ▶ Country code ▶ Area code (City code) ▶ The other party's phone number ▶ [Send] (voice call) / [Camera] (V.phone)

2. After the call ends, [End]

Information

- To make an international call to Japan, dial "81" as country code.
- Dial the other party's phone number excluding "0" at the beginning of the area code (city code). However, to make a call to some countries/areas, such as in Italy, "0" is required.

Making a call in the country of stay

1. Area code (City code) ▶ The other party's phone number ▶ [Send] (voice call) / [Camera] (V.phone)

2. After the call ends, [End]

Making a call to WORLD WING user overseas

When making a call to "WORLD WING" user overseas, make a call as an international call to Japan (dial "81" (Japan) as the country code), irrespective whether the other party is in or out of the country you stay.

1. On the standby screen, [0] (1 second or longer) to enter + ▶ [8][1] ▶ The other party's mobile phone number excluding the first "0" ▶ [Send] (voice call) / [Camera] (V.phone)

2. After the call ends, [End]

Mail

Only by subscribing to i-mode, Mail can be exchanged between i-mode users or anyone who has an Internet e-mail address. You can send up to 10 attachments (images, moving picture files, etc.) of up to 2 MB in addition to the message (The maximum number of the files varies depending on the file size). Also, the FOMA terminal is Deco-mail-compatible. By changing the character size, background color, etc. and using Deco-mail pictograms in the message, you can compose and send fun, decorative i-mode mail. i-mode mail enables you to use Decome-Anime, which is Flash movie with messages and images.

・ For details on i-mode mail, refer to NTT DOCOMO website.

Sending i-mode mail

1. ✉ ▶ ✉ (New mail) ▶ Enter each of the "To <No address>", "Subject <No subject>", and " <No message>" items
2. 📷 (Send)

■ To attach files

On the New mail screen, " <Add att. file>" ▶ Select a file

Information

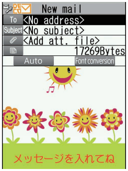
- The following files can be attached to i-mode mail:
  - Still image, image
  - Moving picture, i-motion
  - PDF data
  - ToruCa, ToruCa (detail)
  - Profile data
  - Bookmark
  - Movie*
  - SWF Flash movie
  - Melody
  - Document in a microSD card
  - Phonebook data
  - Schedule or Memo data
  - SD other files in a microSD card

  * : Movie can be sent as an attachment file only if it is forwarded.

Sending Deco-mail/Decome-Anime

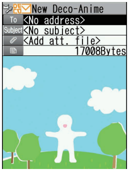
Deco-mail

Deco-mail is a service that allows you to decorate i-mode mail by changing the character color/size and background color, waving characters, etc.



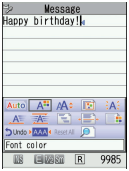
Decome-Anime

Decome-Anime is a service that allows you to compose decorative mail using animation templates with Flash movie containing messages/images.



Sending Deco-mail

1. On Message screen,
2. to select a decoration menu, then compose message ▶ (Send)



: Change the font color
: Change the font size
: Select an image to insert
: Blink text
Undo : Restore the entered text or decoration to the previous state

etc.

Sending Decome-Anime

1. ▶ "Create new Deco-Anime" ▶ Enter an address and subject ▶ " <No message>" ▶ Select a Decome-Anime template ▶ (Set)
2. Select the Message field, then edit the text ▶ (Finish) ▶ (Send)

Information

- A template is a form for Deco-mail/Decome-Anime to which the layout and decoration are already set. Using a template allows you to compose Deco-mail/Decome-Anime easily.
  ▶ "Decome-Template" ▶ "Deco-mail" or "Decome-Anime"

Reading received i-mode mail

When the FOMA terminal is in the service area, the i-mode center automatically sends i-mode mail.

・ When the reception of i-mode mail is completed, " " appears on the standby screen, indicating the mail has not been read.

1 [Mail key] ▶ "Inbox" ▶ Select a folder ▶ Select an i-mode mail

Replying to i-mode mail

1 **On Received mail list screen/Received mail detail screen [Camera key] (Reply(LONG: With Quote)) ▶ Compose message ▶ [Camera key] (Send)**

Information

- To quote the received message to reply, press [Camera key] (Reply(LONG: With Quote)) for 1 second or longer.

Checking new i-mode mail

You can receive the i-mode mails and messages stored at the i-mode center by checking with the center.

1 **On the standby screen, [Mail key] (1 second or longer)**

Sorting i-mode mail

Sort mail into the specified folders by preset criteria such as mail address or subject.

1 **On the Outbox/Inbox folder list screen, highlight the destination folder ▶ [MENU] (Submenu) ▶ "Auto-sort" ▶ Set a sort criteria**

Early warning "Area Mail"

■ What is Area Mail?

Area Mail is a service that enables you to receive Early Warnings and tsunami warnings issued by the Japan Meteorological Agency.

When the FOMA terminal is in the service area, Area Mail is automatically received.

- A subscription to i-mode is not necessary to receive Area Mail.
- Area Mail cannot be received regardless of the Receive setting in the following cases:
  - The power is off
  - " [Out of service icon] " is displayed
  - During a voice call
  - During a videophone call
  - During international roaming
  - In Omakase Lock
  - In Self mode
  - During infrared communications/iC transmissions
  - During Memory refresh process

Connect

Receiving Area Mail

When you receive Area Mail, a special beep or ring tone sounds and " " appears at the top of the screen.

Setting Area Mail

1 ▶ "Mail setting" ▶ "Area Mail setting" ▶ Select an item

Using SMS

This service allows you to exchange SMS between mobile phones, or with subscribers to overseas operators.

・For countries and overseas operators, refer to "Mobile Phone User's Guide [International Services]" or the DOCOMO "International Services website".

Sending SMS

1 ▶ "Compose new SMS" ▶ Enter each of the " To <No address>" and " " items ▶ (Send)

Information

・Files such as image files cannot be attached to SMS.

Checking received SMS

Operations to be performed when SMS is received are the same as ones for i-mode mail. Also, the storage capacity and operations to be performed when the storage capacity for received mail becomes full are the same as for i-mode mail.

1 ▶ "Inbox" ▶ Select a folder ▶ Select an SMS

Checking new SMS

SMS that the FOMA terminal could not receive are stored at the SMS center. You can receive the stored SMS by checking with the SMS center.

1 ▶ "Check new SMS"

Adding phonebook entries

FOMA terminal has two types of phonebooks: FOMA terminal phonebook that various functions can be set to and miniUIM phonebook whose entries are available even in another terminal.

Adding phone numbers, mail addresses, etc.

An entry cannot be stored unless you fill in the "Name" field.

1. MENU ▶ "TEL function" ▶ "Phonebook" ▶ "Add to phonebook" ▶ "Phone" or "UIM" ▶ Enter a name and reading ▶ Enter each item, then 📷 (Finish)

Adding phonebook entries from redial/received calls

1. On Redial/Received calls screen, MENU (Submenu) ▶ "Add to phonebook" ▶ "Phone" or "UIM" ▶ "New" ▶ Enter each item, then 📷 (Finish)

Editing phonebook entries

You can add or edit information in the phonebook, such as phone numbers or mail addresses.

Editing FOMA terminal phonebook entries

1. On Phonebook detail screen, MENU (Submenu) ▶ "Edit" ▶ Add or edit entries ▶ 📷 (Finish) ▶ "YES"

Deleting phonebook entries

1. On Phonebook detail screen, MENU (Submenu) ▶ "Delete" ▶ Select an item ▶ "YES"

i-mode/Full Browser

■ i-mode

You can use online services such as i-mode site connection, accessing to Internet, i-mode mail, with i-mode by using display of i-mode compatible terminal.

- i-mode requires a subscription and is a fee based service.
- For details on i-mode, refer to NTT DOCOMO website.
- Information on i-mode menu sites and Internet websites is generally protected by copyright law. Text and images downloaded from these sites to i-mode compatible terminals should be for personal use only and cannot be sold or redistributed in part or as a whole in their original or a modified form without the copyright holder's permission.
- If the miniUIM is replaced or the power is turned on with no miniUIM inserted, you cannot display/play images, movies and melodies downloaded from sites, files attached to mail (images, movies, melodies, etc.), "Screen memo" and "Message R/F".
- If a file whose display and playback are restricted by the miniUIM is set as the standby screen or as a ring tone, the default settings apply if the miniUIM is replaced or the power is turned on without the miniUIM inserted.

■ Full Browser

Using the Full Browser function, you can view websites designed for PCs.

- Note that communications charges may be high if large volumes of data are transmitted by viewing websites containing many image data or downloading files.
- For details on packet communications charges, refer to NTT DOCOMO website.
- Up to 1.5 MB per page can be viewed with the Full Browser.

■ "みんなＮらんど" (only in Japanese)

Download and save i-αppli, dictionary, Deco-mail template from the site "みんなＮらんど" of iMenu.

- Select the shortcut icon " " (みんなＮらんど) → p.30
- ▶ "メニューリスト" (Menu List) ▶ "ケータイ電話メーカー" (Mobile Phone Manufacturer) ▶ "みんなＮらんど" (Japanese)

QR code to access the site

Browsing i-mode site

❶ [i-mode key]

"[communicating icon]" flashes while communicating, and "[receiving icon]" flashes while receiving i-mode services (during i-mode).



Connected screen

❷ **Scroll down to the bottom of the iMenu screen to select "English"**

Displaying web pages designed for PC

❶ **MENU ▶ "i-mode/web" ▶ "Full Browser Home"**

Switching Browsers

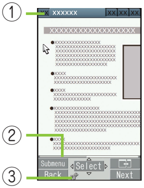
When you switch the browser types, note that charge systems are different between i-mode Browser and Full Browser.

❶ **Site or website displayed using i-mode ▶ MENU (Submenu) ▶ "Full Browser" ▶ "Switch to FB." ▶ "YES" or "YES(default)"**

■ To switch from Full Browser to i-mode Browser

Site displayed using Full Browser ▶ MENU (Submenu) ▶ "i-mode Browser" ▶ "Switch to i-mode"

Viewing and operating sites



① Tab
- Title of the displayed website (if there is no title, the URL appears)
- As many tabs as websites displayed simultaneously

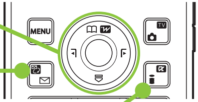
② Scroll bars : Current position in the displayed Full Browser page

③ Displayed while connecting to the Internet with Full Browser

Scroll in the direction that the key is pressed.

Jump to the previous page.

Jump to the next page.



* Press [key] then [mail key] (Page▲) / [i-mode key] (Page▼) to scroll up or down by screen.

Storing frequently accessed sites

1 Website displayed using i-mode or Full Browser ▶ MENU (Submenu) ▶ "Bookmark" ▶ "Add bookmark" ▶ "OK" ▶ Select a folder ▶ "OK"

■ To view bookmarked site

MENU ▶ "i-mode/web" ▶ "Bookmark" ▶ Select a folder ▶ Select a bookmark

Saving site contents

1 Website displayed using i-mode or Full Browser ▶ MENU (Submenu) ▶ "Screen Memo" ▶ "Save screen memo" ▶ Select a destination ▶ Select a saving method ▶ "OK"

"YES+Shortcut" and "Disp.+Shortcut" storing methods can only be selected when the storing destination is set to "Phone".

■ To display a screen memo

MENU ▶ "i-mode/web" ▶ "Screen Memo" ▶ Select a destination ▶ Select a screen memo

Information

- Up to 200 bookmarks can be registered for i-mode and Full Browser.
- Up to 250 screen memos can be stored for i-mode and Full Browser.
- Some pages cannot be saved as screen memos, e.g. if saving is prohibited on the page.

i-channel

i-channel is a news and information service distributed for i-mode subscribers with i-channel compatible terminals. The ticker on the standby screen shows latest information that is automatically delivered to your terminal.

"Basic Channel": This channel is distributed by DOCOMO. Packet communications charges do not apply to automatically update basic channels.

"Okonomi (Optional) Channel": This channel is distributed by information service providers (IP). Packet communications charges apply to automatically update "Okonomi (Optional) Channel".

* Detailed content will be subject to packet communications charges for both "Basic Channel" and "Okonomi (Optional) Channel".

* The packet communications charges apply both to automatically update and to view detailed content when used overseas, and they differ from those in Japan.

* i-channel requires a subscription and is a fee based service (i-mode subscription is required).

- For details on i-channel, refer to NTT DOCOMO website. The i-channel service is only available in Japanese.

Displaying i-channel

If you have subscribed to i-channel, the ticker on the standby screen shows information when it is delivered to your terminal.

1 On the standby screen, CLR

Map

Viewing map

Start the i-αppli to display a map.

1 MENU ▶ "Map/Overseas" ▶ "Map"

Setting Map

Select the i-αppli you want to set from the Map Appli list. "地図アプリ" (Map Appli) is set by default.

1 MENU ▶ "Map/Overseas" ▶ "Map setting" ▶ "Select Map"

Viewing and operating shooting screen

Viewing and operating shooting screen

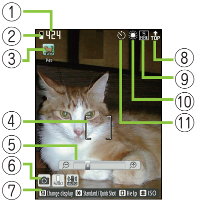
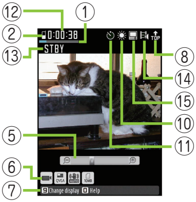


Photo (still image) shooting screen



Movie (moving picture) shooting screen

* Description is based on a QVGA sized screen.

① Remaining storage count/Memory info ② Save ③ Scene ④ Focus frame
⑤ Zoom ⑥ Submenu setting status ⑦ Key operation guidance ⑧ Display orientation
⑨ Quality ⑩ White balance ⑪ Self timer ⑫ Recording time
⑬ Shooting status ⑭ Sound setting ⑮ Quality

Main key operations

- ●: Shoot
- MENU: Submenu
- ✉: Switch photo/movie shooting
- i: Activate Medias viewer
- CLR: Auto Focus lock release
- ○: Auto Focus lock
- ○/○: Zoom (Wide)/Zoom (Tele.)
- 1: Camera-mode
- 2: Scene
- 3: Auto focus
- 4: Size
- 5: Brightness
- 6: Shake correction
- 7: ISO sensitivity (Photo) / File size (Movie)
- 8: Other
- 9: Show/hide icons
- ✱: Switch Standard/Quick Shot
- 0: Help
- #: Switch ISO sensitivity

Shooting still images/moving pictures

Shooting still images

1 [Camera] ▶ Frame the shot, then ◉ (Shoot) ▶ ◉ (Save)

The image is automatically saved when using Quick Shot.

Shooting moving pictures

1 [Camera] ▶ [Mail] (Movie) ▶ Frame the shot, then ◉ (Record) ▶ To stop shooting, ◉ (Stop) ▶ ◉ (Save)

Information

- Do not leave the camera lens exposed to direct sunlight. Doing so may discolor or burn the components of the camera.
- If the battery is low, you may not be able to save still images or moving pictures.

Viewing still images/moving pictures after shooting

Still images are saved in "My picture", and moving pictures are saved in "i-motion/movie" under Data box. Still images/moving pictures can be set to the standby screen, etc.

Viewing still images/moving pictures in Data box

1 MENU ▶ "Data box" ▶ "My picture" or "i-motion/Movie" ▶ "Camera" ▶ ✥ to select the still image/moving picture

■ To view image while shooting

On Photo/Movie shooting screen, [i] (►Play)

Information

- To set the shot still image to the standby screen, etc., do the following:
  On Still image confirmation screen, MENU (Submenu) ▶ "Set display" ▶ Select the image to set.

Shooting in various ways

1 On Photo/Movie shooting screen, MENU (Submenu) ▶ "Camera-mode" ▶ Select the camera mode

Using 1Seg

1Seg service is provided by broadcasting companies (broadcasters). Communications charges do not apply to receive video and voice data. For details on NHK receiving fees, contact NHK.

* Packet communications charges apply to view data broadcast site and i-mode site. Information charges may apply for some sites (i-mode pay sites).

* For 1Seg service details, visit the following website:
The Association for Promotion of Digital Broadcasting (Dpa)
From PC : http://www.dpa.or.jp/english/
i-mode : http://www.dpa.or.jp/1seg/k/ (in Japanese only)

■ Broadcast waves

1Seg is one of the broadcast services and receives signals (broadcast waves) different from those of FOMA services. In locations such as the following, the signal reception status may become weak or out of service.

- Far from the signal tower
- Hiding behind objects; e.g. in a mountain or building
- In tunnels, underground areas, and some locations far inside buildings

* The 1Seg antenna is built-in. You may be able to improve reception by keeping the FOMA terminal away from/close to your body, or moving to another location.

<Caution>
With the ending of analog waves, some channels have been reorganized. For this reason, it may be necessary for you to reset the channels yourself by automatic setting (p.65). After resetting a channel, be sure to register the setting in the channel list.

For details of the Terrestrial Digital Channel Repack, visit the following website, etc.:
Channel Update Call Center, Consultation Center for Terrestrial Digital Television Broadcast, Ministry of Internal Affairs and Communications
Tel : 0120-922-303
From PC : http://www.digisuppo.jp/repack/ (in Japanese only)
i-mode : http://digisuppo.jp/m/index.php (in Japanese only)

■ Battery

When you activate 1Seg with the low battery, a confirmation screen appears prompting you to select whether or not to activate 1Seg. When the battery gets low while watching or recording 1Seg, the low-battery alarm tone sounds, and a confirmation screen appears prompting you to select whether or not to end watching or recording.

- If "Rec. when low battery" is set to "ON", the low-battery alarm tone does not sound while recording.
- When no operation is performed on the confirmation screen for approx. 1 minute, 1Seg is automatically turned off.

■ Display when using 1Seg for the first time

The disclaimer screen appears. When selecting "NO" on a confirmation screen that is displayed by pressing ⦿ (OK), the screen will not appear from the next time.

Setting channels

When you use 1Seg for the first time or move to another area, set the channels.

1 MENU ▶ **"CAMERA/TV/MUSIC"** ▶ **"1Seg"** ▶ **"Channel setting"** ▶ **"Auto channel setting"** ▶ **"YES"** ▶ **"YES"** ▶ **Enter title**

■ To select an area and register a channel list

MENU ▶ "CAMERA/TV/MUSIC" ▶ "1Seg" ▶ "Channel setting" ▶ "Select area" ▶ Select an area or prefecture ▶ "YES"

Watching 1Seg

1 MENU ▶ **"CAMERA/TV/MUSIC"** ▶ **"1Seg"** ▶ **"Activate 1Seg"**

Viewing and operating watching screen



1Seg watching screen

① Video ② Caption ③ Screen status, operation mode, etc.

(Up/Down key): Adjust the volume

(Left/Right key): Select the channel in order

CLR: Mute

0 to 9, #, *: One-touch channel selection

(Center key):Record still image by pressing the key while watching, start movie recording by pressing the key for 1 second or longer while watching, stop recording by pressing the key while recording movie (Recorded movie is saved in microSD card)

(Pen key): Display a program information, switch the display (landscape view only)

Setting timer watching or recording 1Seg

1 MENU ▶ **"CAMERA/TV/MUSIC"** ▶ **"1Seg"** ▶ **"TV timer list" or "Timer recording list"** ▶ (Camera key) **(New)** ▶ **Enter each item** ▶ (Camera key) **(Finish)**

Playing recorded video

1 MENU ▶ **"Data box"** ▶ **"1Seg"** ▶ **"Video"** ▶ **Select a video file**

Playing music data

You can play Chaku-Uta-Full® downloaded with i-mode Browser or Full Browser, as well as WMA data (without DRM).

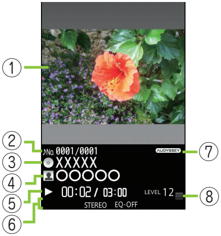
- For details on WMA data, refer to "使いかたガイド" (Guide) (Japanese).
  MENU ▶ "便利ツール" ▶ "使いかたガイド" ▶ "機能一覧検索" ▶ "カメラ／TV／MUSIC" ▶ "ミュージックプレーヤー" ▶ "再生できる音楽データ" ▶ "WMAデータについて"
  * "使いかたガイド" (Guide) is not available when "English" is set for "Select language".
- You can enjoy music by copying WMA data (without DRM) from your PC to the "PRIVATE/NEC/MUSIC" folder on a microSD card.

1 MENU ▶ "CAMERA/TV/MUSIC" ▶ "MUSIC Player" ▶ "All music" ▶ Select a track

Information

- Some programs/tracks have playback restrictions. "(icon)" or "(icon)" appears at the beginning of the title for the program/track with restrictions on the play count, period or time limit. The program/track whose playback period is restricted cannot be played before or after the period.
- If the battery pack is removed for a long period, the date and time stored on the FOMA terminal may be reset. In this case, the program/track whose playback period or time limit is restricted cannot be played.
- You cannot download Chaku-Uta-Full® whose size exceeds 5 MB or Chaku-Uta-Full® whose size is unknown.

Viewing and operating MUSIC Player screen



① Image
② Track
③ Title
④ Artist name
⑤ Elapsed time (minutes : seconds)/Total playback time (minutes : seconds)
⑥ Repeat status/Sound quality (Equalizer), etc.
⑦ Sound effect applied
⑧ Volume (Level 0 to 25)

(●): Pause/Resume playback

(↕): Adjust volume

(←): Playback from the beginning of the track. Play the previous track by pressing the key within 3 seconds from the beginning of the track

(→): Play the next track

(←) (1 second or longer) : Skip backward

(→) (1 second or longer) : Skip forward

[Camera]: Stop

[Mail]: Display music list

[i]: BGM playback

i-αppli/i-Widget

i-αppli are software applications that run on i-mode compatible terminals. You can automatically receive updated stock prices, weather information, etc., and play games without being connected to the network, by downloading i-αppli from i-mode sites. The FOMA terminal also supports i-αppli online which allows you to make online communication with multiple users, using real-time communication and i-αppli call. You can enjoy versus games, chat application, etc. Some i-αppli programs are available for i-Widget.

- Communication charges may apply depending on the i-αppli.

i-Widget is a convenient function that allows you to access frequently used content and tools (Widget Appli) such as calculator, clock, memo, and stock price information. You can paste multiple Widget Appli (up to 8) on the i-Widget screen and enjoy multiple applications at a time just by displaying the i-Widget screen.

If you select a desired Widget Appli, you can also obtain more detailed information. You can add Widget Appli by downloading from sites.

- When i-Widget screen is displayed, multiple Widget Appli may be connected to network.
- Detailed content will be subject to packet communications charges.
- For details on i-αppli and i-Widget, refer to NTT DOCOMO website.
  Packet communications charges incurred overseas differ from those in Japan.

Activating i-αppli

1 On the standby screen, [i-αppli key] (1 second or longer) ▶ Select a software

Downloading applications from sites

You can download i-αppli whose size is up to approx. 10 MB and Widget Appli from i-mode sites.

1 Select an application from an i-αppli/Widget Appli downloadable site ▶ "YES"

Information

- Up to 200 applications can be stored for i-αppli and Widget Appli.

Activating Widget Appli

1 On the standby screen, [key] (1 second or longer) ▶ Select a Widget Appli

Enjoy

i-motion/Movie

i-motion is sounds, moving pictures, etc. Download i-motion from i-motion-downloadable sites to the FOMA terminal. You can download and play various movies provided on websites such as portal sites or moving picture sites.

* When downloading/streaming movies, the received file size may become very large. Note that packet communications charges may be high when large files such as streaming type with no file size restriction are received.

- For details on packet communications charges and billing plans, refer to NTT DOCOMO website.

Downloading i-motion/movie

1. **Select i-motion or movie from an i-motion-downloadable site ▶ When the i-motion or movie can be saved, "Save" ▶ "YES" ▶ Select a folder**

Information

■ Download type
- Streaming type: When i-motion/movie download starts, the playback starts simultaneously.
- Standard type (Download type): When data download is finished, the "Download" screen appears, prompting you to select an option such as to play back or to save.

Playing i-motion/movie

1. **MENU ▶ "Data box" ▶ "i-motion/Movie" ▶ Select a folder ▶ Select a movie**

Information

■ License (WMDRM (Windows Media digital rights management))
- Movies protected by license cannot be played (Windows Media DRM10 is not supported).

Osaifu-Keitai/ToruCa

■ Osaifu-Keitai

Osaifu-Keitai allows you to use "Osaifu-Keitai services" in which you can make payments or use coupons by holding the FOMA terminal over a reader in a shop, and "Kazashite-Link services" in which you can access site information and other information by holding the FOMA terminal over a reader.

You can check e-money received or balance and remaining points, and use the Omakase Lock and IC card lock as a preventive measure in case of theft or loss.

For details on Osaifu-Keitai, refer to NTT DOCOMO website.

* To use the Osaifu-Keitai services, download Osaifu-Keitai i-αppli from the Osaifu-Keitai site*1 and make the settings, or make the settings on the Osaifu-Keitai site*1.

*1: [i] ▶ "メニューリスト (Menu List)" ▶ "【生活情報】おサイフケータイ (Osaifu-Keitai)" (Japanese)

- Data (including e-money and points) stored in the IC card may happen to be erased or altered due to the malfunction of the FOMA terminal. (As a general rule, data should be deleted by the owner itself before undergoing repairs because the FOMA terminal cannot be kept for repair if it has data in it.) For supports such as reissue or restore of data or temporary keeping or transferring data, contact the Osaifu-Keitai service provider. For important data, please be sure to use the Osaifu-Keitai service supporting the backup service.
- Please be aware that DOCOMO is not responsible for loss or alteration of the IC card data, any monetary losses incurred while using Osaifu-Keitai services under any circumstance such as malfunction or changing your model.
- If your FOMA terminal is stolen or lost, contact the Osaifu-Keitai service provider immediately and seek for advice.

■ ToruCa

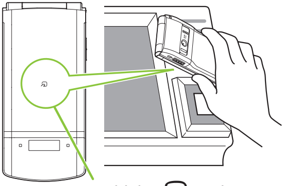
ToruCa is an electronic card that can be captured with the FOMA terminal, and you can conveniently utilize it with application of flyers, restaurant cards, coupons, etc. ToruCa can be obtained from the reader, websites, or data broadcast, etc., and you can readily trade items through mail, infrared communication, iC transmission and a microSD card.

- The captured ToruCa is saved in "ToruCa" of "Osaifu-Keitai".
- For details on ToruCa, refer to NTT DOCOMO website.

Using Osaifu-Keitai

By holding the mark printed on the FOMA terminal over the reader unit, you can make payments with e-money or utilize as tickets.

- Even when the power is turned off, or the battery is running out, the IC card function is available by holding the mark over the reader.



Hold the mark over the reader unit

i-concier

i-concier helps you in your daily life using a character that acts just like a butler (concierge). The service keeps your data (living area, memos, schedules, ToruCa, Phonebook, etc.), and information is delivered timely to your mobile phone according to the content of memos and schedules, your living area, location and interests. Information related to the memos, schedules, and ToDo lists in your FOMA terminal is delivered, schedule information and ToruCa in the FOMA terminal are automatically updated to the latest, and useful information such as shop hours is automatically added to the Phonebook. Also, you can share schedules and images in certain groups such as your friends, family, etc. You can easily print Images kept by i-concier. Machi-chara (a character on the standby screen) gives you i-concier information on the standby screen.

i-concier is only available in Japanese.

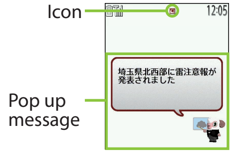
■ Notes on using i-concier

- i-concier requires a subscription and is a fee based service (i-mode subscription is required).
- A non-subscriber to Data Security Service will be the subscriber to Data Security Service at the same time when subscribing to i-concier.
- In addition to i-concier monthly charges, separate information charges may apply depending on the content (information, i-schedule, etc.).
- Packet communications charges apply to receive information except some types of information.
- Detailed content will be subject to packet communications charges.
- During international roaming, packet communications charges apply both to receive information and to view detailed content. Packet communications charges incurred overseas differ from those in Japan.
- To use i-concier overseas, overseas use setting for i-concier is required.
- Packet communications charges apply to automatically update i-schedule/Memo/ToruCa/Phonebook, etc.
- For details on i-concier, refer to NTT DOCOMO website.

Receiving information

When you receive information, "" appears at the top of the screen.

1 On the standby screen ▶ Select a pop up message



"ひつじのしつじくん® (Butler Sheep)"
©NTT DOCOMO

Displaying i-concier

1 MENU ▶ "i-concier"

Using Shabette-Kensaku

Say the keyword in Japanese to use i-mode search.

1 MENU ▶ "Tool" ▶ "Shabette-Kensaku"

When using for the first time, select "Use" on the usage guide screen.

2 Within 10 seconds, say the keyword into the mouthpiece/microphone when the vibrator vibrates and "Speak keyword in Japanese" appears ▶ ◉ (Fix)

When silence continues for approximately 2 seconds, voice entering automatically ends even if ◉ [Fix] is not pressed, and search starts. The vibrator vibrates and the i-mode search results screen is displayed.

Information

- Speak clearly at natural conversation speed.
- Recognition results may vary depending on factors such as your surroundings and the way you speak.
- Packet communications charges apply to use.

Using Voice quick start

From the standby screen, you can activate and execute a function by voice. This function is convenient when you do not know under which menu the required function belongs to, or when you want to activate a function quickly.

*** Voice quick start is not available when "English" is set for "Select language".**

・When using for the first time, select "利用する" (Use) on the usage guide screen or press 📷 (開始) (Start).

1 On the standby screen, ✓ (1 second or longer) ▶ Within 10 seconds, say the keyword for the function into the mouthpiece/microphone when "それではどうぞ　★★音声受付中★★" (Say the keyword) appears

Information

- If the function cannot be determined, search for a candidate in "使いかたガイド" (Guide) (Japanese).
- Speak clearly at natural conversation speed.
- Recognition results may vary depending on factors such as your surroundings and the way you speak.

Using schedule

Save a schedule to notify you of the saved content with an alarm sounding at the specified date and time, a message and animation appearing.

1 MENU ▶ "Tool" ▶ "Schedule" ▶ Select the date ▶ MENU (Submenu) ▶ "New" ▶ Enter each item ▶ [camera] (Finish)

Using alarm

1 MENU ▶ "Tool" ▶ "Alarm" ▶ Select an alarm ▶ [camera] (Edit) ▶ Enter each item ▶ [camera] (Finish)

Using Bar code reader

Use the camera to scan JAN code or QR code.

- Hold the FOMA terminal firmly to avoid shaking during scanning.
- When scanning bar codes, use the camera approx. 10 cm away from the bar code.

1 MENU ▶ "Tool" ▶ "Bar code reader" ▶ When the bar code is displayed in the recognition field, scanning starts automatically ▶ MENU (Submenu) ▶ "Store" ▶ "YES" ▶ "OK"

Using microSD card

This FOMA terminal supports commercially available microSD cards of up to 2 GB and microSDHC cards of up to 32 GB (as of November, 2013).

- Make sure to format microSD card on N-01F. You may not be able to use microSD card formatted on another terminal or PC.
- Visit the following website for the latest information about supported microSD cards such as manufacturers or capacity. Contact the microSD card manufacturer for any microSD cards that are not listed on the website.
  - From i-mode (to access "みんなNらんど")
    - Select the shortcut icon "N" (i みんなNらんど) →p.30
    - i ▶ "メニューリスト" (Menu List) ▶ "ケータイ電話メーカー" (Mobile Phone Manufacturer) ▶ "みんなNらんど" (Japanese)
  - From PC
    http://www.n-keitai.com/guide/faq/ (in Japanese only)
    (Select the model name on the "よくある質問" (FAQ) page and then select "データ管理" (Data Management).)
    Note that information described on the website is only the result of the operation check and does not guarantee all operations.
- Turn off the power before inserting or removing a microSD card.
- Do not put a label or sticker on a microSD card.
- Keep a backup copy of data stored in a microSD card. Please be aware that DOCOMO is not responsible for any damages the subscriber may incur due to the card data being deleted, erased, or altered.

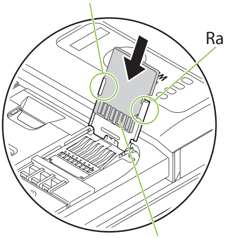
Inserting/removing microSD card

❶ **Remove the back cover**

❷ **Slide the metal holder in the direction of arrow "OPEN" and lift it up**

Do not touch the metal contacts of the FOMA terminal when lifting the holder up. Do not apply excessive force to the holder when sliding it (you could damage the holder or hurt your hand or fingers).

3. **Insert the microSD card straight and slowly along the rails with the metal contacts facing you**
   To remove the microSD card, hold the microSD card and slowly pull it out along the rails.
4. **Close the metal holder and slide it in the direction of arrow "LOCK" to lock**
   If the holder does not close properly, lift the holder up and make sure that the microSD card has been properly inserted along the rails and inserted deep enough.
5. **Attach the back cover**
   When you turn on the power after inserting the microSD card, " SD " appears.



Formatting microSD card

Note that all data in the microSD card will be deleted when you format it.

1. **MENU ▶ "Tool" ▶ "microSD" ▶ "Refer microSD data" ▶ MENU (Submenu) ▶ "microSD format" ▶ Enter your security code ▶ "YES"**

Viewing data in microSD card

<Example: To display phonebook>

1. **MENU ▶ "Tool" ▶ "microSD" ▶ "Refer microSD data" ▶ "Phonebook" ▶ Select a file ▶ Select data**

Copying data to microSD card

<Example: To copy a phonebook to the microSD card>

1. **On Phonebook list screen, MENU (Submenu) ▶ "Copy data" ▶ "Copy to microSD" ▶ Select a copying method**

Copying data to FOMA terminal

<Example: To copy a phonebook to the FOMA terminal>

1 MENU ▶ "Tool" ▶ "microSD" ▶ "Refer microSD data" ▶ "Phonebook" ▶ Highlight a file ▶ MENU (Submenu) ▶ "Add to phone" or "OVR to phone" ▶ Select a copying method ▶ Enter your security code ▶ "YES"

Backing up data to microSD card

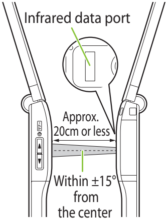
Note that, if backup data exists in the microSD card, the data will be overwritten.

1 MENU ▶ "Tool" ▶ "microSD" ▶ "Backup/Restore" ▶ "Backup to microSD" ▶ Enter your security code ▶ "YES"

Sending/receiving data by infrared communication

Exchange data such as phonebook entries and received mail with other devices equipped with the infrared communication.

- Set the other party's device to receiving status.
- You may not be able to transfer data depending on the other party's device.
- This FOMA terminal conforms to the IrMC™ 1.1 standard.



■ To send one data item

<Example: To send one phonebook data>

1 On the screen of the data to send, MENU (Submenu) ▶ "Send data" ▶ "Send Ir data"

2 Direct the infrared data port toward the infrared data port of the other party's devices ▶ "YES"

■ To receive one data item

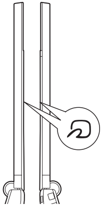
MENU ▶ "Tool" ▶ "Receive Ir data" ▶ "Receive" ▶ Direct the infrared data port toward the infrared data port of the other party's device ▶ Upon completion of reception, "YES"

Sending/receiving data by iC transmission

iC transmission is a function that allows you to send or receive data such as phonebook entries to or from other FOMA terminals just by overlapping the FOMA terminals.

・ You may not be able to transfer data depending on the other party's device.

■ To send one data item



<Example: To send one phonebook data>

① On the screen of the data to send, MENU (Submenu) ▶ "Send data" ▶ "iC transmission"

② Put your mark close to the other party's FOMA terminal ▶ "YES"

■ To receive one data item

Put your mark close to the other party's FOMA terminal ▶ Perform data transmission on the other party's FOMA terminal

Connecting to a PC

You can transfer WMA data, images, etc. to/from a microSD card by connecting the FOMA terminal to a PC. Also, you can perform data communication by accessing to Internet.

Information

- The FOMA USB Cable with Charge Function 02 (optional) or FOMA USB Cable (optional) is required.
- To transfer data, you need to install the "FOMA communication setting file" (driver). For details, refer to the "Manual for PC Connection". "FOMA communication setting file" (driver) and "Manual for PC Connection" can be downloaded from NTT DOCOMO website.
  http://www.nttdocomo.co.jp/english/support/

DOCOMO Connection Manager

"DOCOMO Connection Manager" is a useful software for performing DOCOMO data communications.

・ "DOCOMO Connection Manager" enables simplification of appropriate setting on PC depending on the subscription. The fare counter function is also available for checking an indication of the data traffic or usage amount. For details, refer to NTT DOCOMO website.
http://www.nttdocomo.co.jp/support/utilization/application/service/connection_manager/
(in Japanese only)

Troubleshooting

- Check if your FOMA terminal needs an update, and if necessary, update the required software. (→p.84)
- If you are still unable to identify the problem after checking the points, please contact "Repairs" on the back cover of this manual (in Japanese only) or a repair counter specified by DOCOMO.

The power will not turn on

- Is the battery pack properly attached? →p.20
- Has the battery run out? →p.21

Cannot charge the battery (The charge lamp flashes/does not light up)

- Is the battery pack properly attached? →p.20
- Is the adapter or cigarette lighter plug correctly plugged into the power outlet or cigarette lighter socket? →p.21
- Are the adapter and the FOMA terminal correctly connected? (Is the AC adapter (optional) firmly connected to the FOMA terminal or the provided desktop holder?) →p.21
- Are the charging terminals of the FOMA terminal soiled when the desktop holder is used? When soiled, wipe with dry cotton swab. →p.21
- The temperature of the FOMA terminal may rise and the charge lamp may turn off with the battery icon flashing if used for a long time while being charged. In this case, wait for the temperature to go down, then charge again. →p.21
- Charging may interrupt depending on the usage condition. Exit all running functions and then charge again.

The FOMA terminal becomes hot during operation/battery charge

- During operation, during battery charge, or if you use i-αppli or videophone or watch 1Seg programs for a long time while charging, the temperature of the FOMA terminal, battery pack or adapter may rise. There will be no problem with operation. Keep using it.

Battery life is very short

- Is the FOMA terminal left outside the service area for a long time?
  In a place outside the service area, the terminal searches the radio waves for communication and the battery is consumed more quickly.
- The available operating time of the battery pack depends on the conditions of usage and degraded degree of battery pack.
- The battery pack is consumable. The operation time for battery packs steadily decreases with each charge. When the operating time has become extremely short even though the battery pack has been fully recharged, please purchase a new battery pack.

The power is turned off or turned back on suddenly

- Soiled terminals of the battery pack may result in poor connections and loss of power. When soiled, wipe with dry cotton swab.

Key operations are not available

- If you bring the FOMA terminal near magnetic products, you may not be able to perform correct key operations. Keep the FOMA terminal away from magnetism.
- Is Dial lock/Omakase Lock set? →p.40
- Is Auto-key lock set? →p.40
- Is "Side key guard" set to "ON"?

A miniUIM cannot be recognized

- Is the miniUIM inserted correctly into your FOMA terminal? →p.20

Clock shows wrong time

- Clock may show wrong time if you leave the power on for a long period of time. Confirm that Auto time adjust is set, then reboot the power at a location with good signal quality.

Cannot make a call by pressing the dial keys

- Is Original Lock for "Keypad dial" under "Dial/sending mail" set? →p.40
- Is Auto-key lock set? →p.40
- Is Restrict dialing set?
- Is Dial lock set? →p.40
- Is Self mode set?

Calls cannot be made or received (" " does not disappear even after you move. / You cannot make or receive calls despite the signal strength is enough.)

- Reboot the power, or remove the battery pack or miniUIM then insert it again.
- Depending on the signal quality, you may not be able to make or receive calls even if the signal strength icon shows " " – " ". Move to another location and try again.
- Is Call rejection, Call acceptation, or another restriction applied?
- Depending on the network congestion, you may have difficulty talking or mailing in crowded places. In this case, you see the message "Please wait" and hear the busy tone. Move to a location and try again, or perform the operation later.

Still images or movies shot with the camera look blurred

- Is the camera lens cloudy or dirty?
- When shooting a subject close-up , set Auto focus to "Close-up".
- Is Shake correction set to "OFF"?
- Is Auto focus set to "OFF"?

Osaifu-Keitai cannot be used

- When the battery pack is removed or Omakase Lock is set, the IC card function cannot be used regardless of the IC card lock setting.
- Have you activated IC card lock or Dial lock?
- Are you holding the mark of the FOMA terminal over a reader unit?

Warranty and After-Sales Service

Warranty

- Make sure that a warranty is included when you purchase the FOMA terminal. Check the content, information about "販売店名・お買い上げ日" (the shop, date of purchase), etc. Keep the warranty card in a safe place. If the warranty card does not contain necessary information, immediately contact the shop and request them to fill in the card. The warranty is valid for one year from the date of purchase written on the warranty.
- The product in whole or in part, including its accessories, is subject to improvement without notice.

After-sales service

● **If your FOMA terminal needs repairs**

Before having your FOMA terminal repaired, see "Troubleshooting" in this manual or in "使いかたガイド" (Guide) (Japanese) that is installed in FOMA terminal. If you still have problems, please contact "Repairs" on the back cover of this manual (in Japanese only).

● **If, after contacting DOCOMO, you are informed that your FOMA terminal needs repairs**

Bring it to a repair counter specified by DOCOMO. The repair counter is only open during business hours. Depending on the malfunction, repairs may take some time.

- Within the warranty period
  - Repairs will be made free of charge based on the provisions of the warranty.
  - Bring the warranty card when requesting repairs. Charges will apply even when the FOMA terminal is still under warranty if the warranty card is not submitted, or if malfunction or damage (damage on the display, connector, etc.) is the result of mishandling by the subscriber.
  - Charges will apply even within the warranty period for repairs resulting from use of devices and accessories not specified by DOCOMO.
- Repairs may not be possible in the following circumstances:
  - The repair counter detects water exposure (Example: the water exposure detection sticker detects water exposure)
  - Tests determine that corrosion has occurred due to water exposure, condensation, perspiration, etc. or the circuit board has been damaged or altered (the external connector terminal (earphone/microphone terminal), display, case, etc. has been damaged)

  * These cases are not covered by the warranty, and any repairs that may be possible will be carried out at the subscriber's expense.
- After the warranty has expired

  Repairs can be carried out upon request but at the subscriber's expense.
- Stock period of parts

  Functional parts (required to maintain phone operation) will be kept in stock for a minimum of 4 years after the product is discontinued. Depending on the malfunction, parts shortage and other conditions may mean that the FOMA terminal cannot be repaired.

Important

- **Do not attempt to modify the FOMA terminal or accessories.**
  - Requests for repair of the modified FOMA terminal may be rejected. The following may be regarded as modifications:
    - Put stickers, etc. on the display or keys
    - Decorate the FOMA terminal using adhesives, etc.
    - Replace the external parts, etc. with non-DOCOMO components
  - If malfunction or damage occurs as a result of modification, charges will apply even if the FOMA terminal is still under warranty.
- **Do not remove the manufacturer's specification sticker put on the FOMA terminal.** If the content of the sticker cannot be confirmed, determination of whether technical standard is satisfied cannot be made. Thus, requests for repair may be rejected.
- **The settings of the functions may be cleared (reset) due to the damage, repair or improper use of the FOMA terminal. In this case, configure the settings again.**
- **Magnetic components are used for the following parts of the FOMA terminal. A cash card (ATM card, bank card), etc. which is easily affected by magnetism, may become unusable if it is kept close to the components:** Parts: speaker, earpiece and [camera] key areas
- **This FOMA terminal is waterproof. However, if any internal part of your FOMA terminal gets wet or moist, immediately turn the power off, remove the battery pack, and bring the FOMA terminal to a repair counter as soon as possible. Note that repairs may not be possible depending on the condition.**

Error info send set.

If an error occurs with the FOMA terminal, select whether or not to send the recorded error information to DOCOMO.

- Even if an error occurs, it may not be recorded depending on the type of error.
- The recorded information is sent to DOCOMO at night.
- Packet communications charges do not apply to sending error information.
- The sent information does not include information that will identify the sender.

1 MENU ▶ **"Setting"** ▶ **"Other setting"** ▶ **"Error info send set."** ▶ **Enter your security code** ▶ **"ON" or "OFF"**

i-mode fault diagnosis site

The service lets you check if your FOMA terminal's i-mode is working correctly for operations such as sending/receiving mail, and downloading images/ring tones. When there seems to be a malfunction as a result of checking, please contact "Repairs" on the back cover of this manual (in Japanese only).

■ Connecting to "i-mode fault diagnosis site" (Japanese)

i ▶ "お客様サポート" (User support) ▶ "お問い合わせ" (Inquiries)
▶ "故障・電波状況お問い合わせ先" (Inquiries for fault/signal quality)
▶ "ｉモード故障診断" (i-mode fault diagnosis)

・ Charges will apply if using the service overseas.

QR code to access the site

Updating software

This function establishes a network connection and checks whether the FOMA terminal software needs to be updated. If update is required, this function downloads a part of software by packet communication and then updates the software. When software update is required, the information can be viewed on the NTT DOCOMO websites or in "お客様サポート" (User support) (in Japanese only) of iMenu. Software may be updated in the following three methods : "Auto-update", "Now update" and "Reserved update".

* It is possible to perform software updates while keeping your Phonebook entries, camera images, downloaded data and other data saved on the FOMA terminal intact. However, note that in some cases data cannot be protected depending on the condition of your FOMA terminal (malfunction, damage, water exposure, etc.). It is recommended that you back up necessary data. Please note that it may not be possible to back up some data such as downloaded data.

■ Note

- Never remove the battery pack while updating software. Doing so may cause the update to fail.
- Charge the battery fully before updating software.
- Software updates (downloading and rewriting) may take time.
- While software is being updated, functions such as making calls, receiving calls or communication functions, and other functions are not available (While downloading, voice calls can be answered).
- It is recommended that you perform software updates when the FOMA terminal is stationary and in a location with good signal quality (three bars for the antenna icon). If the reception becomes poor and then the download is interrupted, try to update again in a location with good signal quality.
- When software is updated, the unique information (model, serial number, etc.) of your FOMA terminal is automatically transmitted to the server at DOCOMO. We do not use the transmitted information for any purposes other than Software Update.
- If the update fails, the message "Rewrite failed" will appear and all operations will become unavailable. In this case, please seek advice at a repair counter specified by DOCOMO.

Running software update by selecting the icon

Select the icon [Update] (Update icon) on the standby screen to update software.

❶ **Select the Update icon ▶ "Yes" ▶ Enter your security code**

Your FOMA terminal is checked if it needs an update.

❷ **The check result appears**

■ When "Update is needed" appears

To download the software immediately, select "Now update". To update later, select "Reserve" and then specify the date and time to update.

■ When "No update is needed Please continue to use as before" appears

Continue using the FOMA terminal.

Running software update from the menu

Update Software from the main menu.

❶ **MENU ▶ "Setting" ▶ "Other setting" ▶ "Software Update"**

❷ **Enter your security code ▶ "Update"**

Your FOMA terminal is checked if it needs an update. Go to step 2 in "Running software update by selecting the icon".

Scanning function

This function detects data and programs that are imported to the FOMA terminal, and deletes data or stops launching applications that could cause some fault.

- The Scanning function prevents the data that causes some fault from invading your FOMA terminal when viewing websites or receiving mail. If pattern data for a failure is not downloaded to the FOMA terminal, or if pattern data for certain failure does not exist, it may be impossible to delete the harmful data using this function.

Updating pattern data

First, update the pattern data to the latest pattern data.

❶ **MENU ▶ "Setting" ▶ "Lock/Security" ▶ "Scanning function" ▶ "Update" ▶ "YES" ▶ "YES" ▶ "OK"**

Scanned problems display

Following problems
were detected
Problem element1
Problem element2
Problem element3
Problem element4
Problem element5
Other:xxxx
[Return]

A list of up to 5 problems detected by the Scanning function appears, starting with the highest-level problem.

If 6 or more problems are detected, the names of the 6th and subsequent problems are omitted.

Scanning results display

Warning level 0	Warning level 1	Warning level 2	Warning level 3	Warning level 4
Operation may not run properly	Operation may not run properly Cancel operation?	Operation may not run properly Canceling operation	Operation may not run properly Delete data?	Operation may not run properly Deleting data
(OK) : Continue the operation	(YES) : Stop and cancel the operation (NO) : Continue the operation	(OK) : Stop and cancel the operation	(YES) : Delete the data and cancel the operation (NO) : Stop and cancel the operation	(OK) : Delete the data and cancel the operation

Options and related devices

By combining various options and accessories sold separately, your FOMA terminal can support a wide range of applications to meet both your personal and professional needs. Note that some products may not be available depending on the area you are in.

For more information, contact a docomo Shop or Service Counter. For details of options and accessories, refer to relevant User's Manual.

- Earphone/Microphone 01
- Stereo Earphone/Microphone 01
- Earphone Plug Adapter 01
- Earphone/Microphone with Switch P001*1/P002*1
- Stereo Earphone Set P001*1
- Earphone Plug Adapter P001*2
- Flat-plug Earphone/Microphone with Switch P01*2/P02*2
- Flat-plug Stereo Earphone Set P01*2
- Earphone Terminal P001*1
- Bone conduction microphone/receiver 01*2
- FOMA USB Cable*3
- FOMA AC Adapter 01*4/02*4
- FOMA Dry Battery Adapter 01
- Carry Case L 01
- Carry Case 02
- FOMA USB Cable with Charge Function 02*3
- FOMA Portable Charging Adapter 01/02/03
- In-Car Hands-Free Kit 01*5
- FOMA In-Car Hands-Free Cable 01
- Data Communications Adapter N01
- FOMA Indoor Booster Antenna*6
- FOMA Indoor Booster Antenna (Stand Type)*6
- In-Car Holder 01*7
- FOMA AC Adapter 01 for Global use*4
- FOMA DC Adapter 01/02
- Earphone Plug Adapter 01 for External connector terminal
- Desktop Holder N45
- Battery Pack N30
- Back Cover N67
- FOMAeco Solar Panel 01

*1：To connect to N-01F, the Earphone Plug Adapter P001 or Earphone Plug Adapter 01 for External connector terminal is required.
*2：To connect to N-01F, the Earphone Plug Adapter 01 for External connector terminal is required.
*3：May not work correctly when connected to a USB HUB.
*4：Charging with the AC adapter →p.21
*5：To charge N-01F, the FOMA In-Car Hands-Free Cable 01 is required.
*6：Use in Japan only.
*7：To attach N-01F to the In-Car Holder, attach to the 5th position shown in ② listed in "In-Car Holder 01 Manual".

Menu list

settings are reset to default by "Reset settings".

- Some functions that cannot be reset to default settings (or default states) may be included in settings.

Main item	Sub item	Branch item
Mail	Inbox	
	Outbox	
	Draft	
	Mail history box	
	Compose new message	
	Create new Deco-Anime	
	Decome-Template	
	Compose new SMS	
	Check mail/message	
	Check new SMS	
	Receive option	
	Mail setting	Receive setting
		Display setting
		Signature setting
		Phrases/Store word
		Mail box lock
		Set check mail/message
		Reply format setting
		Blog/Mail group
		Address/Spam Mail Set.
		Auto save setting
		Read out setting
		Emotion/Keyword
		SMS setting
		Area Mail setting
		Check settings
		Reset

Main item	Sub item	Branch item
mode/web	Menu/Search	
	Bookmark	
	Screen Memo	
	Browsing history	
	Enter URL	Enter URL
		URL enter history
	i-Channel	i-Channel list
		Ticker display setting
		Reset i-Channel
	mode/web setting	mode Browser Set.
		Full Browser Settings
		Common Settings
		Confirm mode setting
		Reset mode setting
	One-touch mlt win.	
	Full Browser Home	
ppli	Software list(phone)	
	ppli(microSD)	
	i-ppli call logs	
	ppli run info	
	ppli setting	Auto-start setting
		Disp. software info
		i-Widget overseas use
		i-Widget sound effect
		i-ppli call settings
		ppli volume
		Preferred tone
		Backlight

Main item	Sub item	Branch item
iαppli	iαppli setting	αPower saver
		αVibrator
		Check settings
CAMERA/TV/ MUSIC	Camera	Still image shooting
		Movie shooting
		Art photo mode
		Bar code reader
		Medias viewer
	1Seg	Activate 1Seg
		Program guide
		TV timer list
		Timer recording list
		Recording result
		TVlink
		Channel list
		Channel setting
		User setting
	MUSIC Player	
Data box	My picture	
	MUSIC	
	imotion/Movie	
	Melody	
	Content package	
	My document	
	Kisekae Tool	
	Machi-chara	
	Chara-den	
	1Seg	
	Document viewer	
	Font	
	SD other files	
	Search all history	
Tool	Bar code reader	
	Calculator	
	Alarm	
	Receive Ir data	
	Schedule	
	Memo	
	Medias viewer	
	microSD	

Main item	Sub item	Branch item
Tool	Dictionary	
	Data Security Service	
	Guide	
	Life history viewer	
	Voice announce	
	Voice recorder	
	Phrases/Store word	Common phrases
		Store word
	Download dictionary	
	Voice quick start	
	Shabette-Kensaku	
	Contact DOCOMO	
TEL function	Phonebook	Search phonebook
		Add to phonebook
		UIM operation
		Phonebook set./ Check
		Forwarding image
	Rec. msg./Voice memo	Play/Delete msg.
		Play/Delete VP msg.
		Record voice memo
		Record message setting
	Dialed/Received call	Dialed calls
		Received calls
		Redial
	Dial/Receive setting	Nuis. call blocking
		Caller ID request
		Caller ID notification
		Arrival call act
		Dial call setting
		Receive call setting
		In-call setting
		Headset function set.
		Call rejection set.
		Missed call notice
	Videophone setting	Visual preference
		Select image

Main item	Sub item	Branch item
TEL function	Videophone setting	Auto redial as voice
		Ntfy switch-mode
		Hands-free switch
		V.phone while packet
	Call duration/ charge	Call duration/ charge
		Notify cost limit
		Reset total
		Auto reset
	DisasterVoiceMessaging	
	Koe-no-Takuhaibin	
	2in1	
	Melody call	
	Voice mail service	
	Other network serv.	Call forwarding
		Call waiting
		English guidance
		Remote access
		Multi Number
		Additional service
	Choku-Den	
Setting	Screen/Display	Kisekae Tool setting
		Stand-by display
		MyFACE setting
		Color theme setting
		Each display setting
		Sub-display setting
		Machi-chara setting
		Soft key
		Original menu
		Menu display set
		Viewer settings
		Icons
		Icons setting
		Privacy angle
		Image display mode
		Quick Info setting

Main item	Sub item	Branch item
Setting	Screen/Display	Information display
	Sound/Vib./ Manner	Ring volume
		Select ring tone
		Other sound setting
		Vibrator setting
		Manner mode setting
		Machi-chara chat set.
	Backlight/Illum.	Backlight
		Illumination setting
	Text display/ input	Font
		Character input set
		バイリンガル (Select language)
	Time	Set main time
		Sub clock setting
		Clock display
		Auto power ON
		Auto power OFF
	Lock/Security	Lock
		Auto-key lock
		Secret
		Call rejection set.
		Change security code
		UIM setting
		Scanning function
		IC card lock setting
	Battery	eco mode
		eco mode autostart
		Battery level
	External connection	USB mode
		Headset microphone
		Femtocell
	Other setting	Side key guard
		Set assigned function
		Alarm setting

Main item	Sub item	Branch item
Setting	Other setting	Self mode
		Memory refresh
		Reset settings
		Initialize
		Software Update
		Error info send set.
		Quick search URL
Map/Overseas	Map	
	imadoco search	imadoco kantan search
		imadoco search
	i-area	
	Map setting	
	Overseas NW search	3G/GSM setting
		Network search setting
		PLMN setting
		Display operator name
		Display area status
		Re-search icon set.
	Overseas setting	Inquiries(overseas)
		Sub clock setting
		Bar incoming when roam
		Missed call notice
		Roaming guidance
		Int'l dial assistance
		mode service set.
		Mail/Message usage set
		Network service
i-concier		
Profile		

Main item	Sub item	Branch item
Osaifu-Keitai	IC card content	
	DCMX	
	ToruCa	
	IC card lock setting	IC card lock
		IC lock(power-off)
		Auto lock setting
	Setting	ToruCa settings
		Receive ToruCa
		IC card notice set
	IC card usage	
	Check IC owner	
	Change IC owner	
	Search by mode	

Main specifications

Phone

Product name		N-01F	
Size (When folded)		Height approx. 110 mm x Width approx. 51 mm x Thickness approx. 14.4 mm (Thickest : Approx. 17.4 mm)	
Weight		Approx. 118 g (Battery pack attached)	
Continuous standby time		[FOMA/3G]	Stationary ("AUTO"[*1]) : Approx. 780 hours
		[GSM]	Stationary ("AUTO"[*1]) : Approx. 430 hours
Continuous talk time		[FOMA/3G]	Voice call : Approx. 270 min.
		[GSM]	Voice call : Approx. 280 min.
Charging time		AC Adapter : Approx. 150 min. DC Adapter : Approx. 150 min.	
1Seg watching time		Approx. 350 min.[*7]	
Display	Type	Display : TFT 16,777,216 colors	Sub-display : Organic EL 1 color
	Size	Display : Approx. 3.4 inches	Sub-display : Approx. 0.8 inches
	Resolution	Display : 409,920 pixels (480 x 854 dots)	Sub-display : 3,360 pixels (96 x 35 dots)
Image sensor	Type	CMOS	
	Size	1/3.2 inches	
	Effective pixels	8.1 mill. pixels	
Camera	Maximum recorded pixels	8.0 mill. pixels	
	Digital zoom	Up to approx. 6.7 x (16 levels)	
Record	No. of photos that can be stored	When saved to Phone : Up to approx. 1,300[*2] When saved to 1 GB microSD card : Up to approx. 9,999[*2]	
	Continuous shooting	5 – 108[*3]	
	Photo file format	JPEG	
	Moving picture recording time	When saved to Phone : Approx. 83 sec. per moving picture[*4], total of approx. 29 min.[*4] When saved to 1 GB microSD card : Approx. 120 min. per moving picture[*4], total of approx. 130 min.[*4]	
	Moving picture file format	MP4	
	1Seg recording time	When saved to 1 GB microSD card : Up to approx. 320 min. (Total)[*5] When saved to 32 GB microSDHC card : Up to approx. 10,240 min. (Total)[*5]	
Music playback	Continuous playback time	i-motion	Approx. 2,100 min.[*6]
		Chaku-Uta-Full®	Approx. 2,100 min.[*6][*7]
		SD-Audio	Approx. 2,100 min.[*6][*7]
		Windows Media Audio (WMA) file	Approx. 2,220 min.[*7]

Capacity	Chaku-Uta®/Chaku-Uta-Full®	Approx. 210 MB*8*9

*1 : Switch networks in "3G/GSM setting".
*2 : Size = VGA V. (480 x 640), Quality = Normal (File size = 95 KB)
*3 : Varies depending on the size.
*4 : Recording time under the following conditions:
<Phone>
Size=VGA (640 × 480), Quality=Normal, File size=10 MB, Sound setting = ON
<1 GB microSD card>
Size=VGA (640 × 480), Quality=Normal, File size=Unlimited, Sound setting = ON
*5 : Varies depending on the broadcaster and program.
*6 : File format = AAC
*7 : Background playback supported
*8 : For Chaku-Uta®, up to approx. 10 MB capacity is separately prepared for the Secret Folder.
*9 : Shared with images, i-motion, Melody, PDF data, Screen memo, Music, Kisekae Tool, Machi-chara, Internet movies, ToruCa, i-αppli and Content package

Battery pack

Product name	Battery Pack N30	Voltage	DC 3.8V
Battery type	Lithium-ion	Current	1010 mAh

Numbers of stored/registered/protected items in the FOMA terminal

Item		Store/Register	Protect
Phonebook		1,000 max.*1	-
1Seg	TV link	50	-
	TV timer	100	-
	Timer recording	100	-
Schedule	Schedule	2,500*2	-
	Holiday	100	-
Mail (SMS + i-mode)	Received mail	2,500 max.*3*4*5	2,500 max.*3
	Sent mail	1,000 max.*3*4	500 max.*3
	Draft mail	200 max.*3	-
i-αppli		200 max.*3 (5 for mail-linked i-αppli)	-
Image		3,500 max.*3*6*7	-
Movie/i-motion		3,500 max.*3*6*8	-
Kisekae Tool		3,500 max.*3*6	-
Chaku-Uta-Full®		Approx. 68*3*9	-

*1 : Up to 50 entries can be stored in a miniUIM.
*2 : Includes i-schedule.
*3 : Actual storable/registerable/protectable counts may be decreased depending on the data size.
*4 : Up to 20 more received or sent SMS can be additionally stored in a miniUIM.
*5 : Includes data in the "Mail" folder in default.
*6 : Includes pre-installed data.
*7 : Up to 250 images can be additionally stored in the Secret Folder.
*8 : Up to 10 files can be additionally stored in the Secret Folder.
*9 : Number of stored items when the size of 1 track is calculated as 3 MB.

Specific absorption rate (SAR) of mobile phone

Specific Absorption Rate (SAR) of Mobile Phones

This model N-01F mobile phone complies with Japanese technical regulations and international guidelines regarding exposure to radio waves.
This mobile phone was designed in observance of Japanese technical regulations regarding exposure to radio waves[*1] and limits to exposure to radio waves recommended by a set of equivalent international guidelines. This set of international guidelines was set out by the International Commission on Non-Ionizing Radiation Protection (ICNIRP), which is in collaboration with the World Health Organization (WHO), and the permissible limits include a substantial safety margin designed to assure the safety of all persons, regardless of age and health condition.
The technical regulations and international guidelines set out limits for radio waves as the Specific Absorption Rate, or SAR, which is the value of absorbed energy in any 10 grams of tissue over a 6-minute period. The SAR limit for mobile phones is 2.0 W/kg. The highest SAR value for this mobile phone when tested for use at the ear is 0.783 W/kg. There may be slight differences between the SAR levels for each product, but they all satisfy the limit.
The actual SAR of this mobile phone while operating can be well below that indicated above. This is due to automatic changes to the power level of the device to ensure it only uses the minimum required to reach the network. Therefore in general, the closer you are to a base station, the lower the power output of the device.
This mobile phone can be used in positions other than against your ear. This mobile phone satisfies the international guidelines when used with a carrying case or a wearable accessory approved by NTT DOCOMO, INC.[*2] In case you are not using the approved accessory, please use a product that does not contain any metals, and one that positions the mobile phone at least 1.5 cm away from your body.
The World Health Organization has stated that "a large number of studies have been performed over the last two decades to assess whether mobile phones pose a potential health risk. To date, no adverse health effects have been established as being caused by mobile phone use."
Please refer to the WHO website if you would like more detailed information.
http://www.who.int/docstore/peh-emf/publications/facts_press/fact_english.htm

Please refer to the websites listed below if you would like more detailed information regarding SAR.
Ministry of Internal Affairs and Communications Website: http://www.tele.soumu.go.jp/e/sys/ele/index.htm
Association of Radio Industries and Businesses Website: http://www.arib-emf.org/index02.html (in Japanese only)
NTT DOCOMO, INC. Website: http://www.nttdocomo.co.jp/english/product/sar/
NEC CASIO Mobile Communications, Ltd. Website: http://www.n-keitai.com/lineup/sar/ (in Japanese only)

*1: Technical regulations are defined by the Ministerial Ordinance Related to Radio Law (Article 14-2 of Radio Equipment Regulations).
*2: Regarding the method of measuring SAR when using mobile phones in positions other than against the ear, international standards (IEC62209-2) were set in March of 2010. The information communication sectional committee of the information communication council partly submitted a report on consultation No. 118 in October, 2011 for the Japanese technical standard.

Radio Frequency (RF) Signals

THIS MODEL PHONE MEETS THE U.S. GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.
Your wireless phone contains a radio transmitter and receiver. Your phone is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies.
The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR limit set by the FCC is 1.6 W/kg.* Tests for SAR are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the output.
Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the U.S. government-adopted requirement for safe exposure. The tests are performed on position and locations (for example, at the ear and worn on the body) as required by FCC for each model. The highest SAR value for this model phone as reported to the FCC when tested for use at the ear is 0.80 W/kg, and when worn on the body, is 0.56 W/kg. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the U.S. government requirement.
The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section at http://www.fcc.gov/oet/ea/fccid/ after search on FCC ID A98-MDD1075.
For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines. Please use an accessory designated for this product or an accessory which contains no metal and which positions the handset a minimum of 1.5 cm from the body.
Non-compliance with the above restrictions may result in violation of FCC RF Exposure guidelines.

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* In the United States, the SAR limit for wireless mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. SAR values may vary depending upon national reporting requirements and the network band.

FCC Regulations

This mobile phone complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
This mobile phone has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation; if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Declaration of Conformity

Hereby, NEC CASIO Mobile Communications, Ltd. declares that this product is compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Declaration of Conformity can be found on http://www.n-keitai.com/lineup/index.html (Japanese only).

CE 0168

This mobile phone complies with the EU requirements for exposure to radio waves.
Your mobile phone is a radio transceiver, designed and manufactured not to exceed the SAR* limits** for exposure to radio-frequency (RF) energy, which SAR* value, when tested for compliance against the standard was 0.684 W/kg. While there may be differences between the SAR* levels of various phones and at various positions, they all meet*** the EU requirements for RF exposure.

* The exposure standard for mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR.

** The SAR limit for mobile phones used by the public is 2.0 watts/kilogram (W/kg) averaged over ten grams of tissue, recommended by The Council of the European Union. The limit incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

*** Tests for SAR have been conducted using standard operating positions with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a base station antenna, the lower the power output.

Warning：To prevent possible hearing damage, do not listen to high volume levels for long periods.

Export Administration Regulations

The product and accessories are subject to the Foreign Exchange and Foreign Trade Control Law and other applicable export/import laws and regulations of Japan. You shall obtain licenses, permissions, and consents required thereunder at your own expense and on your own responsibility. For more details, contact the Ministry of Economy, Trade and Industry (METI).

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Others

- The HMM-Based Speech Synthesis Engine embedded in this product uses the Simplified BSD License.

The HMM-Based Speech Synthesis System (HTS)
hts_engine API developed by HTS Working Group
http://hts-engine.sourceforge.net/

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Description on Windows

- The abbreviations of operating systems (Japanese versions) below are used in this manual.
  - Windows 8 stands for Microsoft® Windows® 8, Microsoft® Windows® 8 Pro and Microsoft® Windows® 8 Enterprise.
  - Windows 7 stands for Microsoft® Windows® 7 (Starter, Home Basic, Home Premium, Professional, Enterprise and Ultimate).
  - Windows Vista stands for Windows Vista® (Home Basic, Home Premium, Business, Enterprise and Ultimate).
  - Windows XP indicates the Microsoft® Windows® XP Professional operating system or Microsoft® Windows® XP Home Edition operating system.

SIM Lock Removal

This FOMA terminal supports SIM lock removal. Removing the SIM lock allows you to use another operator's SIM card.

- SIM lock can be removed at any docomo Shop.
- An unlocking fee is charged.
- Certain services and features might be disabled when another operator's SIM card is used. Please be aware that DOCOMO does not under any circumstances guarantee operation.
- For details of SIM lock removal, refer to NTT DOCOMO website.

Index

Make various applications or change your billing plan, check your charges and points, and more online.

i-mode access : **iMenu ⇒ お客様サポート (User support) ⇒ お申込・お手続き (Applications/procedures) ⇒ 各種お申込・お手続き (Various applications/procedures) (in Japanese only)**

No packet communications charges apply

PC access: **My docomo (http://www.mydocomo.com/) ⇒ 各種お申込・お手続き (Various applications/procedures) (in Japanese only)**

* You need your "Network security code" to use via i-mode.
* Packet communications charges do not apply to use via i-mode. Charges will apply if using the service from overseas.
* "docomo ID/password" are required to use this site from a PC.
* Please contact "General Inquiries" on the back cover of this manual if you forget or do not have "Network security code" or "docomo ID/password".
* May not be available in some cases depending on the conditions of your subscription.
* There are cases where the site may not be available due to system maintenance, etc.

Using mobile phone with your manners!

When using mobile phone in a public place, don't forget to show courtesy and consideration for others.

Turn the power off when you are:

■ **In places where use is prohibited**

・In an airplane or hospital, follow the instructions given by the respective airline or medical institution.
Turn off the power in a location where use is prohibited.

Always set Public mode when you are:

■ **Driving**

・Using a handheld mobile phone while driving will result in a penalty. Exceptions are made in case of emergency, such as to safeguard injured persons or to maintain public safety.

■ **In places such as theaters, cinemas, and art galleries**

Respect privacy

Please be considerate of the privacy of individuals around you when taking and sending photos using camera-equipped mobile phones.

What DOCOMO does to be eco-friendly

Slimming down the manual

By describing only basic functions and operations, we have succeeded in reducing paper usage and slimming down the Japanese instruction manual. For further explanations, see your 使いかたガイド (Guide) (Japanese, available in your FOMA terminal) or visit NTT DOCOMO's websites.

Collecting and recycling of mobile phones

We collect your unnecessary mobile phones and other devices irrespective of carrier. Bring them to a docomo Shop near you.

* Intended devices: Mobile phone, PHS, battery pack, charger and desktop holder (irrespective of carrier)

General Inquiries <docomo Information Center>

0120-005-250 (toll free)

* Service available in: English, Portuguese, Chinese, Spanish.
* Unavailable from part of IP phones.

(Business hours : 9:00 a.m. to 8:00 p.m.)

■ **From DOCOMO mobile phones** (In Japanese only)

(No prefix) 151 (toll free)

* Unavailable from land-line phones, etc.

■ **From land-line phones** (In Japanese only)

0120-800-000 (toll free)

* Unavailable from part of IP phones.

(Business hours : 9:00 a.m. to 8:00 p.m. (open all year round))

Repairs

■ **From DOCOMO mobile phones** (In Japanese only)

(No prefix) 113 (toll free)

* Unavailable from land-line phones, etc.

■ **From land-line phones** (In Japanese only)

0120-800-000 (toll free)

* Unavailable from part of IP phones.

(Business hours : 24 hours (open all year round))

● Please confirm the phone number before you dial.

● For Applications or Repairs and After-Sales Service, please contact the above-mentioned information center or the docomo Shop etc. near you on the NTT DOCOMO website or the i-mode site.

▶ NTT DOCOMO website http://www.nttdocomo.co.jp/english/

▶ i-mode site iMenu ⇒ お客様サポート (User support) ⇒ ドコモショップ (docomo Shop) * In Japanese only

For loss, theft, malfunction, and inquiries while overseas (24-hour reception)

■ **From DOCOMO mobile phones**

International call access code for the country you stay	**-81-3-6832-6600* (toll free)**

* You are charged a call fee to Japan when calling from a land-line phone, etc.

※ If you use N-01F, you should dial the number +81-3-6832-6600 (to enter '+', press and hold the '0' key for at least one second).

■ **From land-line phones <Universal number>**

Universal number international prefix	**-8000120-0151***

* You might be charged a domestic call fee according to the call rate for the country you stay.

※ For international call access codes for major countries and universal number international prefix, refer to DOCOMO International Services website.

● **If you lose your FOMA terminal or have it stolen, immediately take the steps necessary for suspending the use of the FOMA terminal.**

● **If the FOMA terminal you purchased is damaged, bring your FOMA terminal to a repair counter specified by DOCOMO after returning to Japan.**

Don't forget your mobile phone … or your manners!
When using your mobile phone in a public place, don't forget to show common courtesy and consideration for others around you.

Sales: NTT DOCOMO, INC.
Manufacturer: NEC CASIO Mobile Communications, Ltd.

2013.11 (1st Edition)

Li-ion00

Manual for PC Connection

About Manual for PC Connection

This manual describes necessary information for data communication using the FOMA terminal and how to install "FOMA communication setting file" and "DOCOMO Connection Manager".
The procedures or screens may vary depending on your environment.

- The words which represent the FOMA terminal model name, such as driver names and modem names, are referred to as "【model name】". Read "【model name】" as your model name.
- The screen images or illustrations used in this manual are examples. They may differ depending on the FOMA terminal you use.
- Description of Bluetooth, Wi-Fi connection and User authorizations is only for compatible models.

'13.10（3rd Edition）

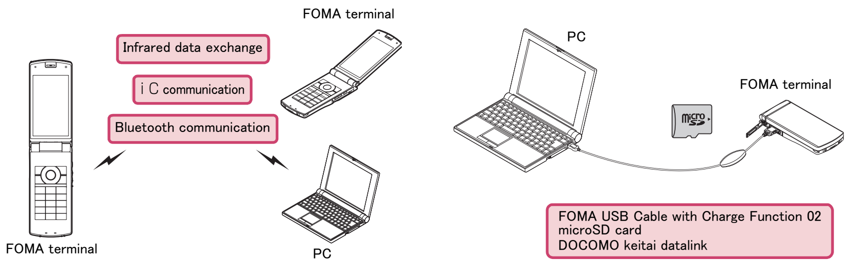
Data Communication

Data Communication Available for the FOMA Terminal

Available data communication between the FOMA terminal and PCs is classified in 3 categories: data exchange (OBEX™ communication), packet communication and 64K data communication.

Data exchange (OBEX™ communication)

The data such as images, phonebook entries, mails, and more can be exchanged with equipment such as other FOMA terminals and PCs.



Packet communication

Packet communication is charged according to the amount of data sent and received.*1 High speed communication at up to 7.2Mbps downlink*2 and up to 5.7Mbps uplink*2 is available in the FOMA HIGH-SPEED area. Communication is provided on a best-effort basis. Communication speed varies depending on the communication environment or network congestion. This is suitable for exchanging small amount of data at high speed.

You can also access a corporate LAN connected to the FOMA network.

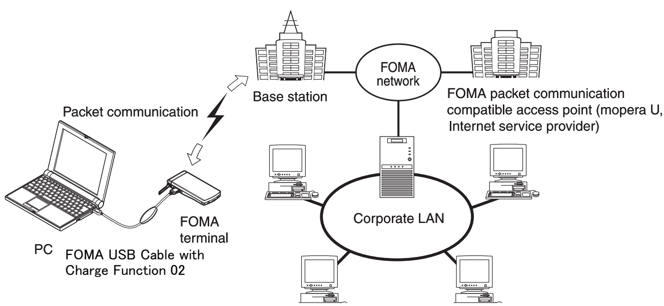
Use an access point that supports FOMA packet communication, such as DOCOMO Internet connection service "mopera U".

For packet communication, connect the FOMA terminal to a PC using FOMA USB Cable with Charge Function 02 (optional), Bluetooth communication*3 or Wi-Fi connection, or to a PDA using a dedicated cable.

*1 : Note that the communication charge can become very expensive when large files are sent and received.

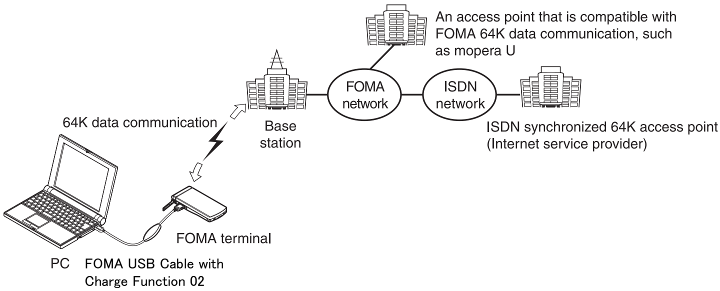
*2 : It is the maximum value on the technical standards, and the actual communication speed varies depending on the network congestion or communication environment. The communication speed may be lower when you are out of the FOMA HIGH-SPEED area, you connect to the access point to which the HIGH-SPEED service is not supported.

*3 : When connecting using Bluetooth communication, the FOMA terminal communication speed will be that of HIGH-SPEED service. But, communication at the maximum speed may not be possible due to Bluetooth communication speed limitation.



64K data communication

64K data communication is charged according to the length of time the line is connected, regardless of the amount of data.
Use an access point that supports FOMA 64K data communication, such as DOCOMO Internet connection service “mopera U”, or ISDN synchronized 64K access point.
For 64K data communication, connect the FOMA terminal to a PC using FOMA USB Cable with Charge Function 02 or Bluetooth communication, or to a PDA using a dedicated cable.
* Note that the communication charge can become very expensive when the line is connected for a long time.



NOTE

- The communication speed is 384kbps at maximum for receiving and 64kbps at maximum for sending outside the FOMA service area and overseas.
- Select IP connection method when you perform packet communication overseas. (Packet communication using PPP connection is not supported.)
- Select PPP connection method when you perform packet communication using Wi-Fi connection. (Packet communication using IP connection is not supported.)
- 64K data communication is not available overseas.

Notice before using

Internet service provider fees

In addition to FOMA service charges, you may need to pay user fees to an Internet service provider to use the Internet. These fees must be paid directly to the Internet service provider in addition to service fees of FOMA service. Contact your Internet service provider for details.
DOCOMO Internet connection service "mopera U" is available. "mopera U" is a pay service for which you need to apply.

Setting an access point (e.g. Internet service provider)

Packet communication and 64K data communication use different access points. If you are using packet communication, use an applicable access point for it; if 64K data communication, use an access point for FOMA 64K data communication or ISDN synchronized 64K.

User authorization when accessing network

Some access points may require your user authorization (ID and password) when connecting. Use communication software (Dial-up network) to enter your ID and password. ID and password will be provided by your Internet service provider or the network administrator. Contact the Internet service provider or network administrator for details.

Required conditions for performing packet and 64K data communication

The following conditions are required to perform communication using the FOMA terminal (For communication in Japan):

- Your PC is compatible with the FOMA USB Cable with Charge Function 02 (optional).
- You are in the FOMA service area.
- For packet communication, the access point supports FOMA packet communication.
- For 64K data communication, the access point supports FOMA 64K data communication or ISDN synchronized 64K.

However, depending on congestion of the base station or weaker signal strength, you cannot perform communication even when the above conditions are satisfied.

Before Using

Operating environment

The PC operating environment to use data communication is as shown below:

<table>
<tr><th rowspan="2">Item</th><th colspan="2">Operating environment</th></tr>
<tr><th>Data communication</th><th>DOCOMO Connection Manager</th></tr>
<tr><td rowspan="2">PC unit</td><td colspan="2">• PC/AT compatible model
• When using the FOMA USB Cable with Charge Function 02 (optional): USB port (compliant to Universal Serial Bus Specification Rev1.1/2.0)
• When using Bluetooth communication: Bluetooth Specification Ver.1.1, Ver.1.2 or Ver.2.0+EDR compliant (Dial-up Networking Profile)
• When using Wi-Fi connection: wireless LAN standard IEEE 802.11b or IEEE 802.1g compliant</td></tr>
<tr><td>• Display resolution of 800 × 600 dots or better, High Color (65,536 colors) or better is recommended</td><td>• Display resolution of 1,024 × 600 dots or better (1,024 × 768 dots or better is recommended), High Color (65,536 colors) or better</td></tr>
<tr><td>OS*1</td><td>• Windows XP (Japanese version)
• Windows Vista (32-bit/64-bit) (Japanese version)
• Windows 7 (32-bit/64-bit) (Japanese version)
• Windows 8 (32-bit/64-bit) (Japanese version)</td><td>• Windows XP Home Edition SP3 or later (Japanese version)
• Windows XP Professional SP3 or later (Japanese version)
• Windows Vista SP1 or later (32-bit/64-bit) (Japanese version)
• Windows 7 (32-bit/64-bit) (Japanese version)
• Windows 8 (32-bit/64-bit) (Japanese version)</td></tr>
<tr><td>Required memory*2</td><td>• Windows XP: 128MB or higher
• Windows Vista: 512MB or higher
• Windows 7 (32-bit): 1GB or higher
• Windows 7 (64-bit): 2GB or higher
• Windows 8 (32-bit): 1GB or higher
• Windows 8 (64-bit): 2GB or higher</td><td>• Recommended environment for your OS</td></tr>
<tr><td>Hard disk space*2</td><td>• 5MB or higher</td><td>• 10MB or higher</td></tr>
<tr><td>Web browser</td><td>-</td><td>• Internet Explorer 6.0 or later</td></tr>
<tr><td>Mail software</td><td>-</td><td>• Windows Mail
• Outlook Express 6.0</td></tr>
</table>

*1 : The proper operations on the upgraded, added or modified OS are not guaranteed.
*2 : The required memory and necessary hard disk space may differ depending on the PC's system configuration.

● For the latest information on the operating environment, visit the DOCOMO website.

NOTE

● This FOMA terminal is not compatible with Remote Wakeup function.
● This FOMA terminal is not compatible with the FAX communication.

Required devices

The following hardware and software, in addition to the FOMA terminal and a PC, are required.

- "FOMA USB Cable with Charge Function 02" (optional) or "FOMA USB Cable" (optional)*1
- "FOMA communication setting file (drivers)"*2

*1 : For USB connection
*2 : Download the file from DOCOMO website.

NOTE

● Purchase the specified "FOMA USB Cable with Charge Function 02" or "FOMA USB Cable". The USB cable for PC cannot be used because the shape of the connector is different.
● The FOMA USB Cables may not function properly when connected to a USB HUB.

Checking the Procedure

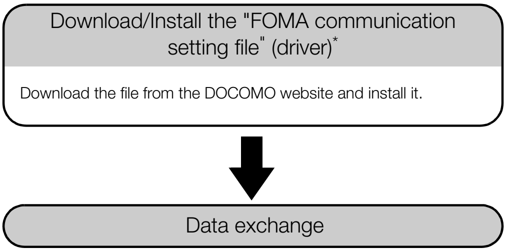
In data communication, the connection is made through a dial-up connection with Internet service providers or LANs that support FOMA data communication.

- The FOMA communication setting file is software (driver) needed for connecting the FOMA terminal with a PC via a FOMA USB Cable with Charge Function 02 (optional) to carry out packet communication, 64K data communication and data transfer (OBEX™ communication). Installing the FOMA communication setting file embeds each driver into Windows.
  Using DOCOMO Connection Manager, you can easily set up packet communication and 64K data communication and create a dial-up connection.

Flow chart for completing the data communication setup

■ Data exchange (OBEX™ communication)

Install the "FOMA communication setting file" (driver) to use the FOMA USB Cable with Charge Function 02.



*：Install DOCOMO keitai datalink in addition.

■Packet communication and 64K data communication

For USB connection

Download and install the FOMA communication setting file (drivers) / Connect to PC

- Install the FOMA communication setting file by downloading from the DOCOMO website.→p.8
- Connect the FOMA terminal to the PC with the FOMA USB Cable with Charge Function 02 (optional).

↓

Check the setting after installation（p.10）

For Bluetooth connection

Connect the FOMA terminal to a PC wirelessly using Bluetooth communication (p.12)

↓

Check the modem（p.13）

<To set up the access point using "DOCOMO Connection Manager">

↓

Download "DOCOMO Connection Manager" from the DOCOMO website, and install it to PC

- Enables you to use DOCOMO Connection Manager. "Installing DOCOMO Connection Manager"→p.17

↓

Set up

- mopera U*
- Other providers

↓

Connect and disconnect

- Connect→p.20
- Disconnect→p.21

<Not using "DOCOMO Connection Manager">

↓

Set up

- Set up communication not using "DOCOMO Connection Manager"→p.22

↓

Connect and disconnect

- Connect→p.40
- Disconnect→p.41

*： To use Internet with the FOMA terminal and PC connected, "mopera U" (you need to apply for) is useful, which supports broadband connection, etc. Consider the plan in which you are charged only in a month when you use the service.
For more information, visit the DOCOMO website.

For Wi-Fi connection (Packet communication only)

Set the FOMA terminal to Access point mode

- For details, refer to the Instruction Manual for the FOMA terminal.

↓

Set up（p.14）

↓

Connect and disconnect

Setting the USB mode to "Communication mode"

- Set the mode before connecting to PC.
- Setting is not required when using Bluetooth connection or Wi-Fi connection.

1 **MENU key▶"Setting"▶"External connection"▶"USB mode"▶"Communication mode"**

Installing the FOMA Communication Setting File (Drivers)

The following procedure explains how to install the FOMA communication setting file (drivers).

- Before installing the FOMA communication setting file, make sure to quit any Windows software running on your computer.*
- When installing FOMA communication setting file, be sure to log on as Administrator. If you attempt to install the file with another account, an error may occur. Contact your PC's manufacturer or Microsoft for information on how to set Administrator privileges on your PC.
- Install the FOMA communication setting file only when connecting to the PC using the FOMA USB Cable with Charge Function 02.

*：Quit any Windows software, including anti-virus, that resides on the task bar.
To close software that resides on task bar, click an icon on the task bar and click "閉じる" (Close) or "終了" (Finish).

1 Access the FOMA communication setting file (drivers) download page on DOCOMO website

Access http://www.nttdocomo.co.jp/support/utilization/application/foma/com_set/driver/index.html (in Japanese only)

2 Go to the driver download page for the in-use model

3 Upon confirming the user agreement, click "同意する" (Agree) to agree it

■If the “ファイルのダウンロードーセキュリティの警告” (File Download - Security Warning) screen appears

Click “保存” (Save)

4 Specify the destination to save, and download the file

5 Double-click the downloaded file "【model name】_driver.exe" ("【model name】_driver_win8.exe" for Windows 8), and click "実行" (Execute)

Follow the onscreen instruction to specify the destination to extract the file.

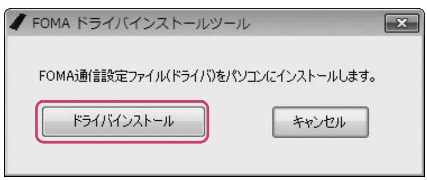
6 Read "ReadMe.txt" in the "【model name】_driver" folder created at Step 5, and double-click an installation file that is compatible with the in-use OS

7 When the User Account Control screen appears, click “はい” (Yes) for Windows 8 and Windows 7, and click “続行” (Continue) for Windows Vista

For Windows XP, the User Account Control screen is not displayed.

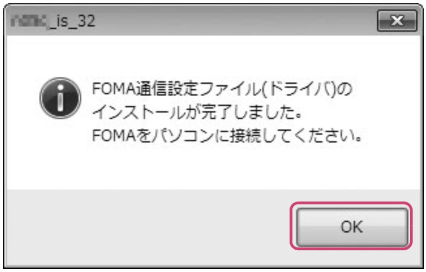
8 Click “ドライバインストール” (Install driver)

Installation starts.



9 When this screen appears, click "OK"

The title bar display differs depending on the in-use OS.



10 Turn on the FOMA terminal, then connect the FOMA USB Cable with Charge Function 02 (optional) to your FOMA terminal

For connecting the FOMA terminal and FOMA USB Cable with Charge Function 02, refer to the Instruction Manual for the FOMA terminal.

11 Connect the FOMA USB Cable with Charge Function 02 to the USB terminal of the PC

A message appears on the task bar indicator, and then installation starts. Click the message and display the progress of installation.

12 If this screen appears, click "閉じる" (Close)

Installation of the driver is completed when 4 drivers are displayed on the screen. Proceed to "Checking the installed driver" (p.10).



NOTE

- " " appears on the FOMA terminal display when the FOMA communication setting file is installed on a PC and the PC and the FOMA terminal is connected with the FOMA USB Cable with Charge Function 02.

Checking the installed driver

Check that the FOMA communication setting file (drivers) has been correctly installed.
This section describes an example using Windows 7.

1 Select "" → "コントロールパネル" (Control Panel)

For Windows 8

From the Start screen, open the "デスクトップ" (Desktop), and then move the mouse cursor to the top right corner of the screen to display the Charm Bar → Select "設定" (Settings) → "コントロールパネル" (Control Panel)

For Windows XP

Select "スタート" (Start)→ "コントロールパネル" (Control Panel)

2 Open "システムとセキュリティ " (Systems and security) in the "コントロールパネル" (Control Panel)

For Windows Vista

Open "システムとメンテナンス" (System and maintenance) in the "コントロールパネル" (Control Panel)

For Windows XP

Click the "システム" (System) icon in "パフォーマンスとメンテナンス" (Performance and maintenance)

3 Select "デバイスマネージャー " (Device Manager)

When the User Account Control screen appears, click "はい" (Yes).

For Windows Vista

Select "デバイスマネージャ " (Device Manager)
When the User Account Control screen appears, click "続行" (Continue).

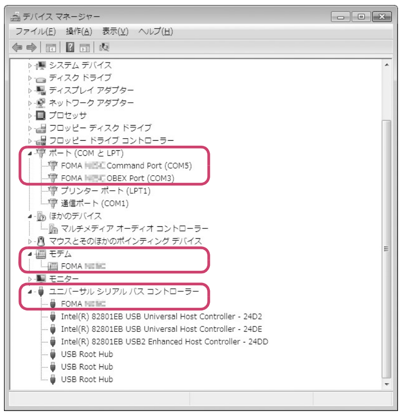
For Windows XP

Click the "ハードウェア" (Hardware) tab and click "デバイスマネージャ " (Device manager)

4 Click each device to check the installed driver name

Check that all the driver names are displayed under "ポート（COMとLPT）" (Ports (COM& LPT)), "モデム" (Modems) and "ユニバーサルシリアルバスコントローラー "* (Universal Serial Bus Controller) or "USB（Universal Serial Bus）コントローラー "* (USB (Universal Serial Bus) controller).

* :It is displayed "ユニバーサルシリアルバスコントローラ" or "USB (Universal Serial Bus) コントローラ" on Windows Vista and Windows XP.



Device name	Driver name
ポート(COMとLPT)	• FOMA【model name】Command Port • FOMA【model name】OBEX Port
モデム	• FOMA【model name】
ユニバーサルシリアルバスコントローラー or USB (Universal Serial Bus) コントローラー	• FOMA【model name】

NOTE

● When you check the above, if not all the driver names appear, follow the uninstall instructions (p.11) to delete the FOMA communication setting file and install the proper file.

Uninstalling the FOMA communication setting file (drivers)

If necessary (when updating the drivers, etc.), uninstall the drivers as follows. The procedure for uninstalling from a Windows 7 or Windows Vista machine is described as an example.

- Uninstallation is not available while connecting the FOMA terminal with PC.
- When uninstalling FOMA communication setting file, be sure to log on as Administrator. If you attempt to uninstall the file with another account, an error may occur. Contact your PC's manufacturer or Microsoft for information on how to set Administrator privileges on your PC.

1 If the FOMA terminal and the PC are connected by the FOMA USB Cable with Charge Function 02 (optional), remove the FOMA USB Cable with Charge Function 02

2 Start "プログラムと機能" (Applications and functions) on the Windows

Click " " → "コントロールパネル" (Control Panel) → "プログラムのアンインストール" (Uninstall a program)

For Windows 8

From the Start screen, open the "デスクトップ" (Desktop), and then move the mouse cursor to the top right corner of the screen to display the Charm Bar → Click "設定" (Settings) → "コントロールパネル" (Control Panel) → "プログラムのアンインストール" (Uninstall a program)

For Windows XP

Click "スタート" (Start) → "コントロールパネル" (Control Panel) → "プログラムの追加と削除" (Add and remove applications)

3 Select "FOMA 【model name】USB" and click "アンインストールと変更" (Uninstall/Change)

For Windows XP

Select "FOMA 【model name】USB"and click "変更と削除" (Change and delete)

4 When the User Account Control screen appears, click "はい" (Yes) for Windows 7, and click "続行" (Continue) for Windows Vista

The User Account Control screen is not displayed for Windows 8 and Windows XP.

5 Click "OK" to uninstall

To cancel uninstallation, click "キャンセル" (Cancel).

6 Click "はい" (Yes) to restart Windows

Now the uninstallation is completed.
If you click "いいえ" (No), restart Windows manually.

NOTE

- When "FOMA【model name】USB" is not displayed in the "プログラムと機能" (Applications and functions) on the Windows, perform the following procedure:

①Open the "【model name】_driver" folder created when the FOMA communication setting file (drivers) is installed
②For Windows 7 (32-bit), open "【model name】_driver" → "【model name】_Win7_32" folder
For Windows 7 (64-bit), open "【model name】_driver" → "【model name】_Win7_64" folder
For Windows Vista (32-bit), open "【model name】_driver" → "【model name】_WinVista32" folder
For Windows Vista (64-bit), open "【model name】_driver" → "【model name】_WinVista64" folder
For Windows XP, open "【model name】_driver" → "【model name】_Win_XP" folder
For Windows 8 (32-bit), open "【model name】_driver" → "【model name】_Win8_32" folder
For Windows 8 (64-bit), open "【model name】_driver" → "【model name】_Win8_64" folder
③Double-click "【model name】_un.exe" *
*：It is displayed as "【model name】_un" depending on the setting of your PC.

Preparing Bluetooth Communication

Perform data communication by connecting a Bluetooth communication compatible PC to the FOMA terminal wirelessly.

Register and connect the PC to the FOMA terminal

To connect a PC to the FOMA terminal for the first time, register the PC to the FOMA terminal.

1 MENU key▶"Tool"▶"Bluetooth"▶"Accept dialup devices"

The FOMA terminal changes to the Bluetooth standby mode, and " (blue)" appears on the display.
If no communication is established for about 5 minutes, the Bluetooth standby mode is released automatically.

2 Search and register the Bluetooth device from the PC

Register the device from the PC while the FOMA terminal is in Bluetooth standby mode.
Refer to the instruction manual of your PC for details on operating it. (Depending on the instruction manual, "探索" (Search) or "サーチ" (Search) is used instead of "検索" (Search), and "ペアリング" (Pairing) is used "機器登録" (Register devices).)

3 Select "YES" when the message informing the device registration appears

4 Enter Bluetooth passkey

The PC is registered, and the PC is connected to the FOMA terminal wirelessly. When the connection is established, " (blue)" flashes on the display.

■To connect to the registered PC

Select "Accept dialup devices" on the FOMA terminal, and then perform connection operations on the PC.

You can also connect the FOMA terminal to the registered PC by selecting "Tool"▶"Bluetooth"▶"Accept registered" and confirming "Dial-up" is in standby mode, then performing connection operation on the PC.

Check the modem setting

Before setting communication, confirm the modem name and the COM port number for the dial-up connection.

1 Select "" → "コントロールパネル" (Control Panel)

For Windows 8

From the Start screen, open the "デスクトップ" (Desktop), and then move the mouse cursor to the top right corner of the screen to display the Charm Bar → Select "設定" (Settings) → "コントロールパネル" (Control Panel)

For Windows XP

Select "スタート" (Start) → "コントロールパネル" (Control Panel)

2 Open "システムとセキュリティ " (Systems and security) in the "コントロールパネル" (Control Panel)

For Windows Vista

Open "システムとメンテナンス" (System and maintenance) in the "コントロールパネル" (Control Panel)

For Windows XP

Click the "システム" (System) icon in "パフォーマンスとメンテナンス" (Performance and maintenance)

3 Select "デバイスマネージャー " (Device Manager)

When the User Account Control screen appears, click "はい" (Yes).

For Windows Vista

Select "デバイスマネージャ " (Device Manager)
When the User Account Control screen appears, click "続行" (Continue).

For Windows XP

Click the "ハードウェア" (Hardware) tab and click "デバイスマネージャ " (Device manager)

4 Click each device to check the modem name and the COM port number

The modem name and the COM port number are displayed under "ポート（COMとLPT）" (Ports (COM&LPT)) and "モデム" (Modem).

Stopping the dial-up connection standby

Stop the dial-up connection service being connected.

1 MENU key▶"Tool"▶"Bluetooth"▶"Device list"

2 Uncheck "Dial-up" ▶Press a key corresponding to "Finish"

Connecting to a Wi-Fi-compatible PC

Packet communication is possible by setting the FOMA terminal as an access point and connecting the FOMA terminal and a Wi-Fi-compatible PC via Wi-Fi.

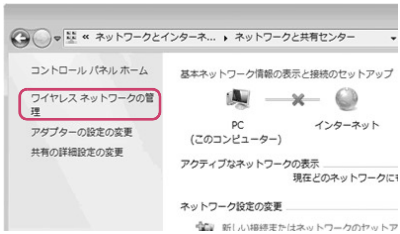
● Set the FOMA terminal to Access point mode beforehand. Refer to the Instruction Manual for the FOMA terminal for how to set to Access point mode and details for Access point mode settings.

<Example: For Windows 7>

1 **Open "" → "コントロールパネル" (Control Panel)**

2 **Select "ネットワークとインターネット" (Network and Internet) → "ネットワークの状態とタスクの表示" (Show network status and task)**

3 **Click "ワイヤレスネットワークの管理" (Wireless network management)**



4 **Click "追加" (Add)**

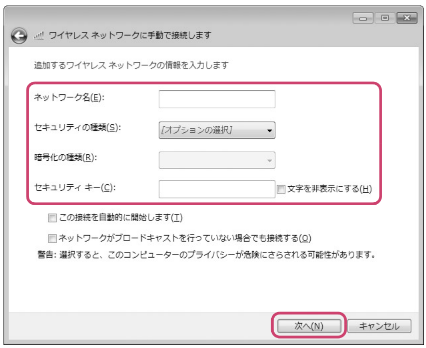
5 **Select "ネットワークプロファイルを手動で作成します" (Set up the network profile manually)**

6 **Enter ESSID for the FOMA terminal in the "ネットワーク名" (Network name) column, set the security type for the FOMA terminal in the "セキュリティの種類" (Security type) column, and click "次へ" (Next)**

"WPA2-パーソナル" (WPA2-personal) under "セキュリティの種類" (Security type) has the same meaning of "WPA2-PSK".

If encryption function is set to the FOMA terminal

Set "暗号化の種類" (Encryption type) and "セキュリティキー" (Security key) options to the same settings as the FOMA terminal.



7 **Click "閉じる" (Close)**

DOCOMO Connection Manager

DOCOMO Connection Manager is a useful software for performing the flat-rate data communications and the measured-rate data communications. "DOCOMO Connection Manager" enables simplification of mopera U subscription, or appropriate setting on PC depending on the subscription. The fare counter function is also available for checking an indication of the data traffic or usage amount.

This document describes procedures to install DOCOMO Connection Manager.

* To connect the FOMA terminal to the Internet, signing in to the flat-rate data plan or FOMA service, and the Internet service provider including mopera U is required, which supports data communication. For more information, see DOCOMO website.



Use of measured-rate data communications

Note that the communication charge can become expensive if packet communication is used to communicate large volumes of data such as to view sites and websites containing images or to download data (eg: applications, music, movie data, or update files for OS or anti-virus software).
Note that data communication with a PC using a USB Cable is out of the FOMA packet flat-rate services, such as flat-rate data plans in "Pake-Houdai", "Pake-Houdai full".

Before installing DOCOMO Connection Manager

● Operating environment

For the PC operating environment to use DOCOMO Connection Manager, see "Operating environment" (p.4).

For the latest information on the operating environment, visit the DOCOMO website.

● Preparation

1 **Prepare the FOMA terminal, and FOMA USB Cable with Charge Function 02 (optional)**

2 **Confirm the price plan, discount services and contract details with the Internet Service Provider**

3 When the connection software other than DOCOMO Connection Manager is installed, disable it if necessary

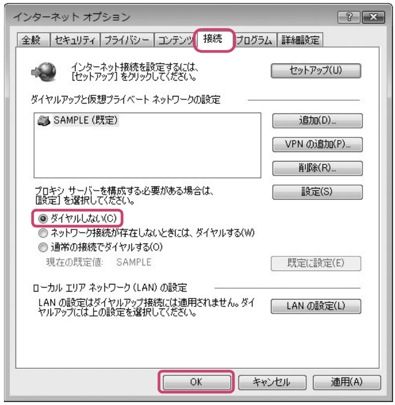
"Other connection software than DOCOMO Connection Manager"→p.17

● Setting for Internet Explorer

Before installing DOCOMO Connection Manager, set the Internet option for connection in Internet Explorer.

1 Start Internet Explorer to select "ツール" (Tool) → "インターネットオプション" (Internet option)

2 Click "接続" (Connect) tab and select "ダイヤルしない" (Not dialing)



3 Click "OK"

● Log on as a user who uses DOCOMO Connection Manager

When installing DOCOMO Connection Manager, be sure to log on as a user with Administrator privilege. If you attempt to install the software with another account, an error may occur.

■For Windows 8/Windows 7/Windows Vista

An Administrator account is required. If you log on with an account other than Administrator, a screen for inputting Administrator name and password appears during installation.

■For Windows XP

Log on as a user in Administrators group, or an "Administrator".

● Quit all running applications

Before starting installation, quit any Windows software, including anti-virus.

Example: To close software that resides on task bar, right-click an icon on the task bar and click "閉じる" (Close) or "終了" (Finish).

● Other connection software than DOCOMO Connection Manager

● DOCOMO Connection Manager provides the same functions as the ones included in other connection software listed below, and this is all you need. Disable or uninstall the following software, if necessary.

■Software you do not need to use simultaneously

- mopera U start up tool
- mopera U connection & setting tool
- FOMA PC setting software
- FOMA byte counter

● Uninstall the following public wireless LAN connection software if docomo Wi-Fi is used through DOCOMO Connection Manager. The simultaneous use prohibits docomo Wi-Fi connection through DOCOMO Connection Manager.

- U public wireless LAN utility software
- DOCOMO public wireless LAN utility software
- DOCOMO public wireless LAN utility program

Installing DOCOMO Connection Manager

1 Access DOCOMO Connection Manager page on DOCOMO website

Access http://www.nttdocomo.co.jp/support/utilization/application/service/connection_manager/ (in Japanese only)

2 Click "ドコモ コネクションマネージャ (Windows®)へ" (DOCOMO Connection Manager (Windows®)

3 Click "［ドコモ コネクションマネージャ (Windows®用)］ダウンロードへ" (Download DOCOMO Connection Manager (for Windows®))

4 Upon confirming the user agreement, click "同意する" (Agree) of "ダウンロード" (Download) to agree it

■If the "ファイルのダウンロードーセキュリティの警告" (File Download - Security Warning) screen appears

Click "実行" (Execute)

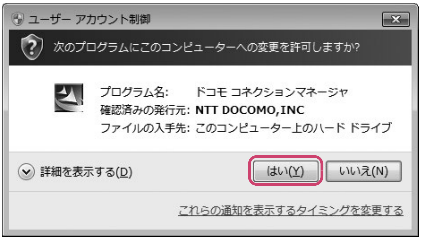
5 Execute the downloaded file, and when the User Account Control screen appears, click "はい" (Yes) for Windows 8 and Windows 7, and click "続行" (Continue) for Windows Vista

For Windows XP, the "ユーザーアカウント制御" (User Account Control) screen is not displayed. Setup program starts immediately.

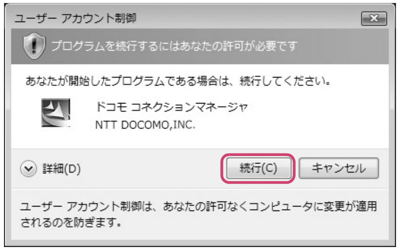
For Windows 8



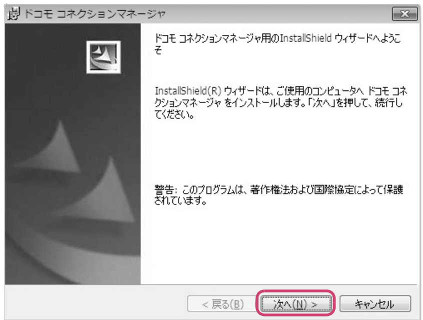
For Windows 7



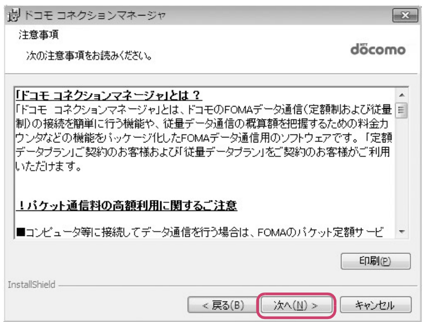
For Windows Vista



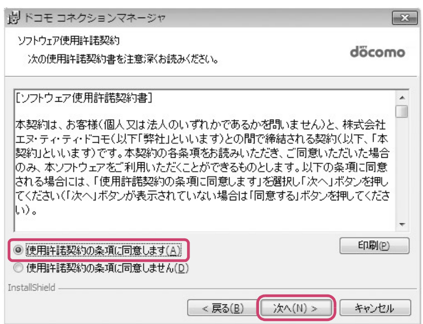
6 Click "次へ" (Next)



7 Confirm the precautions and click "次へ" (Next)

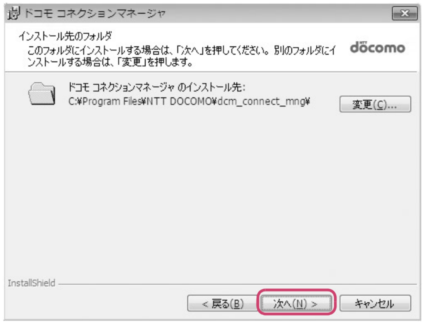


8 Upon confirming the user agreement, click "使用許諾契約の条項に同意します" (Agree) to agree to it, and click "次へ" (Next)

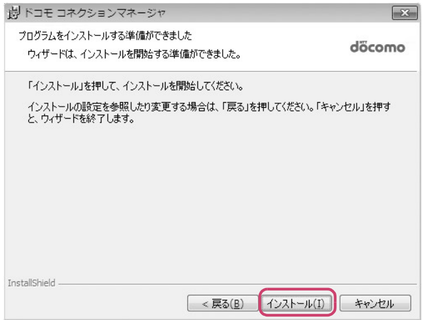


9 Select the installation location and click "次へ" (Next)

If you want to change the location, click "変更" (Change), specify the location and click "次へ" (Next).

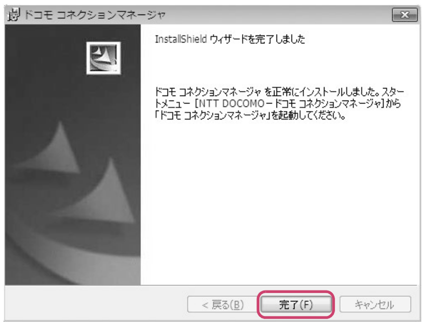


10 Click "インストール" (Install)



11 Click "完了" (Finish)

Installation is completed.



Starting DOCOMO Connection Manager

1 Start DOCOMO Connection Manager

Open " " or "スタート" (Start) → "すべてのプログラム" (All programs) → "NTT DOCOMO" → "ドコモ コネクションマネージャ " (DOCOMO Connection Manager) → " ドコモ コネクションマネージャ " (DOCOMO Connection Manager)

For Windows 8, click " ドコモ コネクションマネージャ " (DOCOMO Connection Manager) on the Start screen

2 Specify the settings by following the setting wizard

The setting wizard will automatically appear when you start DOCOMO Connection Manager for the first time.
Follow the guidance and you can make preparations for Internet connection.
For details, refer to DOCOMO Connection Manager Help.



Executing Set Data Communication

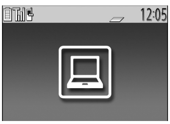
1 Start DOCOMO Connection Manager

"Starting DOCOMO Connection Manager" →p.20

2 Click the tab of the desired connection method, and click "接続する" (Connect)

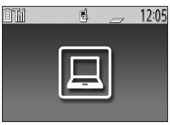
For details, refer to DOCOMO Connection Manager Help.
When connection is not available, check “Setting up Dial-up Network” (p.22) and “Setting up Dial-up” (p.30).

- During packet communication, a different icon appears on the FOMA terminal depending on the communication conditions.



(Communicating, sending data)
(Communicating, receiving data)
(Communicating, no data transfer)
(Sending, or disconnecting)
(Receiving, or disconnecting)

- " " appears on the FOMA terminal during 64K data communication.



NOTE

- The icons on the FOMA terminal display may differ depending on the model. For details, refer to the Instruction Manual for the FOMA terminal.
- When executing data communication by using the FOMA USB Cable with Charge Function 02 (optional), to connect the PC to another FOMA terminal, the FOMA communication setting file (drivers) must be installed again.

How to disconnect

Just closing the browser or mailer on your PC does not disconnect the communication line. When you do not perform data communication, be sure to disconnect by the following procedure:

1 Click "切断する" (Disconnect) on the DOCOMO Connection Manager screen



2 Click "OK"

NOTE

- With Windows OS, software will be automatically updated if set to do so, and you may incur high packet communications charges without knowing you are doing so.
- The communication speed displayed on the PC may be different from the actual communication speed.

Setting up Dial-up Network

This section describes how to set up a dial-up connection for packet communication / 64K data communication without using DOCOMO Connection Manager. The flow of operation is described below.

- It is unnecessary to set up the dial-up network for 64K data communication. Go on to "Setting up Dial-up" (p.30).

About AT commands

- AT commands are commands for modem control. The FOMA terminal complies AT commands and supports some enhanced commands and its own AT commands.
- Entering an AT command allows you to set or confirm (display) the detail settings and the contents of the settings for the "Data communication" and FOMA terminal.

Checking the COM port

To set up the access point (APN), you need to specify the COM port number assigned to "FOMA 【model name】" (Modem) built in after installing the FOMA communication setting file (drivers). This section describes how to confirm the COM port number. The COM port confirmed here will be used in the access point (APN) set up (p.26).

● Preparation

This section takes the setting using the FOMA USB Cable with Charge Function 02 for example. When you connect using Bluetooth communication, see p.12.

1 **Connect the FOMA USB Cable with Charge Function 02 (optional) to the FOMA terminal**

2 **Turn on the FOMA terminal, then connect the FOMA USB Cable with Charge Function 02 connected to the FOMA terminal to your PC**

● To check the COM port on Windows 8

1 **From the Start screen, open the "デスクトップ" (Desktop), and then move the mouse cursor to the top right corner of the screen to display the Charm Bar → Select "設定" (Settings) → "コントロールパネル" (Control Panel)**

2 **Open "デバイスとプリンターの表示" (Device and printer)**

3 **Right-click the in-use FOMA terminal model name, and select "モデムの設定" (Modem settings)**

4 **If the "所在地情報" (Address information) screen is displayed, enter "市外局番／エリアコード" (Area code) and click "OK"**

5 Click the "モデム" (Modem) tab to confirm the COM port of the "接続先" (Access point) column of the in-use FOMA terminal, and click "OK"

When connecting wirelessly using Bluetooth communication, confirm the COM port number of the in-use Bluetooth linked standard modem or Bluetooth modem provided by a Bluetooth device maker in the "接続先" (Access point) column.

The COM port confirmed here will be used in the access point (APN) set up (p.26).

The contents displayed on the screen and the COM port number differ depending on the PC.



● To check the COM port on Windows 7

1 Open " " → "コントロールパネル" (Control Panel)

2 Open "デバイスとプリンターの表示" (Device and printer) in Control Panel

3 Right-click the in-use FOMA terminal model name, and select "モデムの設定" (Modem setting)

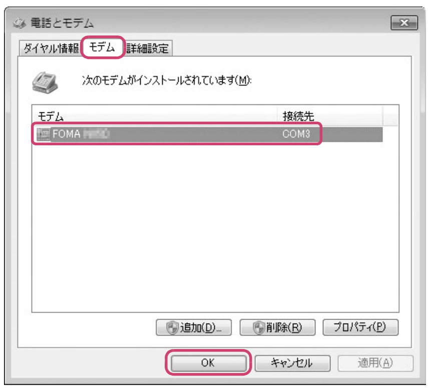
4 If the "所在地情報" (Address information) screen is displayed, enter "市外局番/エリアコード" (Area code) and click "OK"

5 Click the "モデム" (Modem) tab to confirm the COM port of the "接続先" (Access point) column of the in-use FOMA terminal, and click "OK"

When connecting wirelessly using Bluetooth communication, confirm the COM port number of the in-use Bluetooth linked standard modem or Bluetooth modem provided by a Bluetooth device maker in the "接続先" (Access point) column.

The COM port confirmed here will be used in the access point (APN) set up (p.26).

The contents displayed on the screen and the COM port number differ depending on the PC.



● To check the COM port on Windows Vista

1 Open "" → "コントロールパネル" (Control Panel)

2 Open "ハードウェアとサウンド" (Hardware and Sound) → "電話とモデムのオプション" (Telephone and modem options) in Control Panel

3 If the "所在地情報" (Address information) screen is displayed, enter "市外局番／エリアコード" (Area code) and click "OK"

4 Click the "モデム" (Modem) tab to confirm the COM port of the "接続先" (Access point) column of the in-use FOMA terminal, and click "OK"

When connecting wirelessly using Bluetooth communication, confirm the COM port number of the in-use Bluetooth linked standard modem or Bluetooth modem provided by a Bluetooth device maker in the "接続先" (Access point) column.

The COM port confirmed here will be used in the access point (APN) set up (p.26).

The contents displayed on the screen and the COM port number differ depending on the PC.

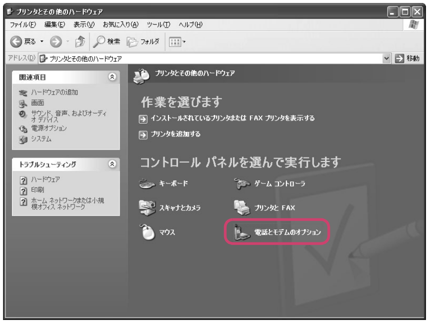


● To check the COM port on Windows XP

1 Open "スタート" (Start)→"コントロールパネル" (Control Panel)



2. Open "電話とモデムのオプション" (Telephone and modem options) from "プリンタとその他のハードウェア" (Printers and other hardware) in Control Panel



3. If the "所在地情報" (Address information) screen is displayed, enter "市外局番／エリアコード" (Area code) and click "OK"

4. Click the "モデム" (Modem) tab to confirm the COM port of the "接続先" (Access point) column of the in-use FOMA terminal, and click "OK"

When connecting wirelessly using Bluetooth communication, confirm the COM port number of the in-use Bluetooth linked standard modem or Bluetooth modem provided by a Bluetooth device maker in the "接続先" (Access point) column.

The COM port confirmed here will be used in the access point (APN) set up (p.26).

The contents displayed on the screen and the COM port number differ depending on the PC.



Setting up the access point (APN)

Default setting	cid1：mopera.net(PPP)　cid2：not set　cid3：mopera.net(IP) cid4：mpr.ex-pkt.net(PPP)　cid5 to 10：not set

Communication software to enter AT commands is required for the settings. This section describes how to set it up using "Hyper terminal" that comes with Windows XP.

- Windows 8, Windows 7, and Windows Vista are not compatible with "Hyper terminal". For Windows 8, Windows 7, and Windows Vista, set with software compatible with your operating system.

Access points <APN/cid>

- Normal telephone numbers are not used for access points for packet communication unlike 64K data communication. Set up APN instead of a telephone number for connection.
- Setting up the APN is just like registering a phonebook for packet communication from a PC. When registering, assign registration number (cid) 1 through 10, which is used as a part of the access point number. As the APN of mopera U ("mopera.net") is assigned by default to cid1 and cid3 and the APN of mopera U ("mpr.ex-pkt.net") to cid4, assign the APN to cid2 and cid5 through cid10.[*1]
- APN is administered by "cid (administration numbers 1 through 10)". Specifying "＊99＊＊＊<cid number>＃" as the access point number enables the connection to the access point with the cid number.
- Specifying "＊99＊＊＊1＃", "＊99＊＊＊3＃", or "＊99＊＊＊4＃" as the access point number for the mopera U connection enables you to use mopera U easily.[*2]
- The APN setting registers the access point to the FOMA terminal just like registering other parties' information (telephone number, etc.) on a mobile phone. The following are comparisons with the Phonebook of the mobile phone:

		APN setting	Phonebook of mobile phone
Data to be registered		APN	Phone number
		cid	Memory number of Phonebook
		—	Other party's name
How to register	Register using PC	Available (DOCOMO Connection Manager, etc.)	Available (Dedicated software required)
	Register using Mobile phone	Unavailable (Cannot even check)	Available
How to use		Specify cid to connect	Look up Phonebook to call
		—	Enter the telephone number directly from the dial key on the FOMA terminal to call.

- Registered cid will be connection numbers in the dialup connection settings.
- Contact your Internet service provider or network administrator for an access point (APN) other than mopera U.

*1：Set up the APN setting for the access point (Internet service provider) on the FOMA terminal in advance instead of entering APN in the Telephone Number column of "ダイヤルアップネットワーク" (Dial-up Network) for connection.

*2：To connect to other Internet service providers, set the APN and assign it to cid2 and cid5 through cid10.

<Example: Using the FOMA USB Cable with Charge Function 02 on Windows XP>

1 Connect the FOMA USB Cable with Charge Function 02 (optional) to the FOMA terminal

2 Turn on the FOMA terminal, then connect the FOMA USB Cable with Charge Function 02 connected to the FOMA terminal to the PC

3 Click "スタート" (Start) → "すべてのプログラム" (All programs) → "アクセサリ" (Accessories) → "通信" (Communication) → "ハイパーターミナル" (Hyper terminal) to start Hyper terminal

4 Select the "今後、このメッセージを表示しない" (Do not display this message again) checkbox and then click "はい" (Yes)

5 Enter any name in the "名前" (Name) column and click "OK"

"sample" is entered here as an example.



6 Select the in-use FOMA terminal from "接続方法" (Connection method), and click "OK"

Click "キャンセル" (Cancel) after the connection screen appears.

If a COM port of the in-use FOMA terminal can be selected

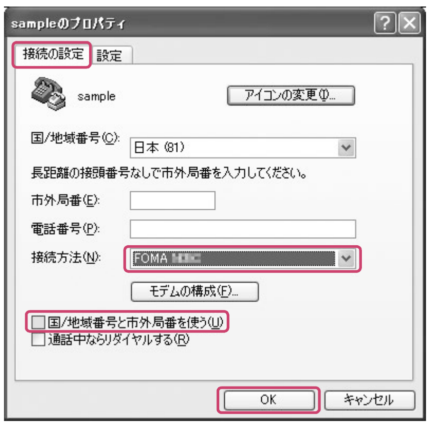
When Properties of the COM port is displayed, click "OK".
In this example, "COM3" is selected. See "Checking the COM port" (p.22) to confirm the actual COM port number to be selected in "接続方法" (Connection method).



If a COM port of the in-use FOMA terminal cannot be selected

Click "キャンセル" (Cancel) to close the "接続の設定" (Connection Settings) screen and then follow the steps below:

(1) Select "ファイル" (File) menu → "プロパティ" (Properties)
(2) Select the in-use FOMA terminal in the "接続方法" (Connection method) column of the "接続の設定" (Connection Settings) tab on the "sampleのプロパティ" (sample Properties) screen
(3) Uncheck "国/地域番号と市外局番を使う" (Use the Country/Region Code and Area Code)
(4) Click "OK"



7 Enter the access point (APN) and press ↵

Enter in the format of AT+CGDCONT=<cid>, "PDP_type", "APN"

<cid>： Enter any number between 5 and 10. Please be cautious because if cid has been already set, the setting will be overwritten.

"PDP_type"：Enter "PPP" or "IP".

"APN"： Put " " around the access point (APN) to enter.

If "OK" is displayed, the settings for the access point (APN) are completed.

Example: To enter APN named XXX.abc in cid Number5

Enter AT+CGDCONT=5,"PPP","XXX.abc" ↵.



8 Confirm that "OK" appears and click "ハイパーターミナルの終了" (Close Hyper terminal) in the "ファイル" (File) menu

""sample"と名前付けされた接続を保存しますか？" (Are you going to save the connection "sample"?) appears, but it is not necessary to save.

NOTE

- The AT commands entered in "Hyper terminal" may not be displayed after Step 7 on p.28. In this case, if you enter ATE1 ↵, AT commands you enter from then on are displayed.
- To reset the access point (APN) settings using the AT command
  - If reset, the access point (APN) setting for cid=1 and cid=3 returns to "mopera.net" (default value) and cid=4 to "mpr.ex-pkt.net" (default value); cid=2 and cid=5 through 10 will be unregistered.

    <How to enter>

    AT+CGDCONT= ↵ (to reset all cid)

    AT+CGDCONT= 〈cid〉 ↵ (to reset a certain cid only)
- To confirm the access point (APN) settings using the AT command
  - Display the current settings.

    <How to enter>

    AT+CGDCONT? ↵

Notifying or Not notifying the Caller ID

- You can set whether to notify the other person of your caller ID when packet communication is carried out. Since the caller ID is important information, please take care when you send your caller ID.
- You can set up the Notify or not notify Caller ID setting using the AT command prior to a dial-up connection.
- Use the ＊DGPIR command (p.43) to notify or not notify the caller ID or change back to "Not set" (Default value).

1 Start "ハイパーターミナル" (Hyper terminal)

For how to start Hyper terminal, see "Setting up the access point (APN)" (p.26).

2 Set up Notify (186) or Not notify (184) Caller ID for packet communication

Enter in the format of "AT＊DGPIR=<*n*>".

To automatically attach 184 (Not notify) for dialing an outgoing call/answering an incoming call

Enter the following:

AT＊DGPIR=1 ↵

To automatically attach 186 (Notify) for dialing an outgoing call/answering an incoming call

Enter the following:

AT＊DGPIR=2 ↵



3 Confirm that "OK" appears and click "ハイパーターミナルの終了" (Close Hyper terminal) in the "ファイル" (File) menu



NOTE

● The Caller ID needs to be set to "Notify" to use DOCOMO's internet connection service mopera U.

About 186 (Notify)/184 (Not notify) in Dial-up Network

You can attach 186/184 to the access point number in the Dial-up network settings as well.
The following table shows what happens if you set 186/184 both for the ＊DGPIR command and the Dial-up network setting.

Dial-up network setting (for cid=2)	Notify/Not notify setting by ＊DGPIR command	Notify/Not notify Caller ID
＊99＊＊＊2#	Not set	Notify
	Not notify	Not notify
	Notify	Notify
184＊99＊＊＊2#	Not set	Not notify (Dial-up network notification 184 has the priority)
	Not notify	
	Notify	
186＊99＊＊＊2#	Not set	Notify (Dial-up network notification 186 has the priority)
	Not notify	
	Notify	

Setting up Dial-up

- This section takes accessing mopera U by packet communication for example.
- To connect using packet communication, enter " ＊99＊＊＊3#" as the number of access point for mopera U. To connect using 64K data communication, enter " ＊8701" as the number of access point for mopera U.

Setting up dial-up on Windows 8

1 **From the Start screen, open the "デスクトップ" (Desktop), and then move the mouse cursor to the top right corner of the screen to display the Charm Bar → Select "設定" (Settings) → "コントロールパネル" (Control Panel)**

2 **Select "ネットワークとインターネット" (Network and Internet) → "ネットワークの状態とタスクの表示" (View network status and tasks)**

3 **Click "新しい接続またはネットワークのセットアップ" (Set up a new connection or network)**

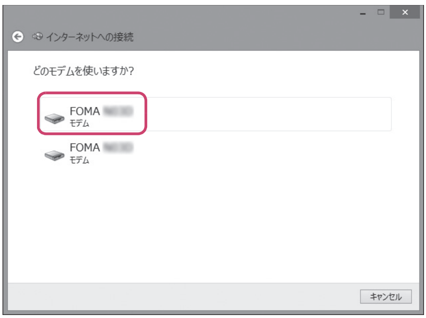
4 **Select "インターネットに接続します" (Connect to the Internet) and click "次へ" (Next)**

5 **Select "ダイヤルアップ" (Dial-up) and click "次へ" (Next)**

6 **If the modem selection screen appears, click the in-use FOMA terminal**

When connecting wirelessly using Bluetooth communication, click the in-use Bluetooth linked standard modem or Bluetooth modem provided by a Bluetooth device maker.

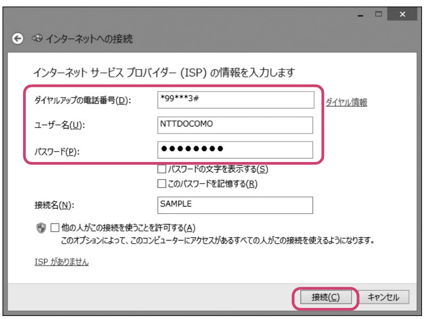
The modem selection screen appears only if there are multiple modems.



7 **Select the "ダイヤルアップの電話番号" (Dial-up phone number) and enter the number of the access point**

You can leave user name and password blank for mopera U connection.
To connect to any other provider than mopera U, enter the user name and password specified by the provider or network administrator in the "ユーザー名" (User Name) and "パスワード" (Password) columns as this screen.

This screen is an example of accessing mopera U by packet communication.



8 **Click "接続" (Connect) and then click "スキップ" (Skip)**

To confirm the settings, cancel a connection test.

9 Click “閉じる” (Close)

10 Click “ネットワークとインターネット” (Network and Internet) → “ネットワークに接続” (Connect to a network) on Control Panel

11 Right-click the name created for the dial-up and click "接続プロパティの表示" (View connection properties)

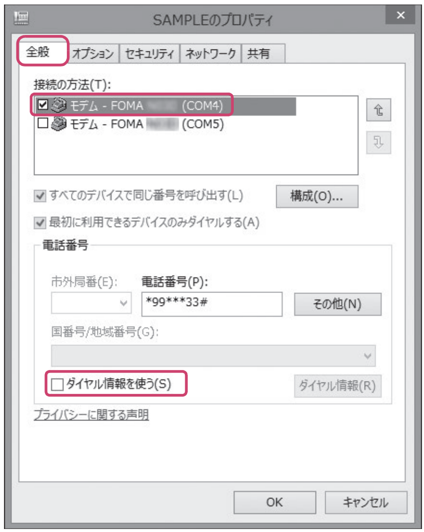


12 Confirm the settings on the "全般" (General) tab

If two or more modems are connected to the PC

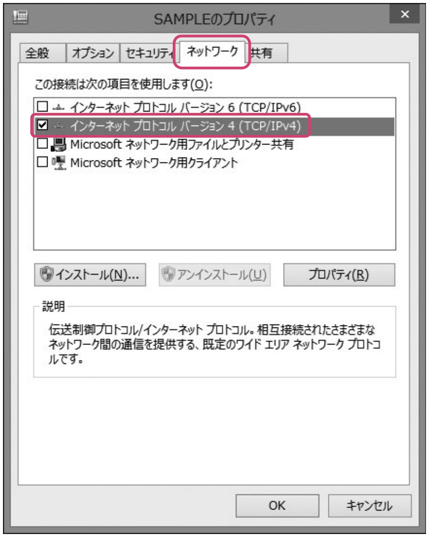
When connecting using the FOMA USB Cable with Charge Function 02, confirm that only the in-use FOMA terminal is checked in the "接続の方法" (Connect Using) column.
When connecting wirelessly using Bluetooth communication, confirm that only "モデム (Modem) - the name of the in-use Bluetooth linked standard modem or Bluetooth modem provided by a Bluetooth device maker" is checked in the "接続の方法" (Connect Using) column.
If it is not checked, check it.

Confirm that "ダイヤル情報を使う" (Use Dial Information) is unchecked. If not, uncheck it.



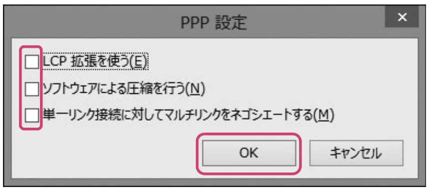
13 **Click the "ネットワーク" (Network) tab and set up each setting**

Check only "インターネット プロトコル バージョン4（TCP/IPv4）" (Internet Protocol version 4 (TCP/IPv4)) in the "この接続は次の項目を使用します" (Use the following items for this connection).



14 **Click the "オプション" (Options) tab and click "PPP設定" (PPP Settings)**

15 **Clear all the boxes and click "OK"**



16 **Click "OK"**

Setting up dial-up on Windows 7

1 **Select "" → "コントロールパネル" (Control Panel)**

2 **Select "ネットワークとインターネット" (Network and Internet) → "ネットワークの状態とタスクの表示" (Show network status and task)**

3 **Click "新しい接続またはネットワークのセットアップ" (Set up new connection or network)**

4 **Select "ダイヤルアップ接続をセットアップします" (Set up dial-up connection) and click "次へ" (Next)**

5 If the modem selection screen appears, click the in-use FOMA terminal

When connecting wirelessly using Bluetooth communication, click the in-use Bluetooth linked standard modem or Bluetooth modem provided by a Bluetooth device maker.

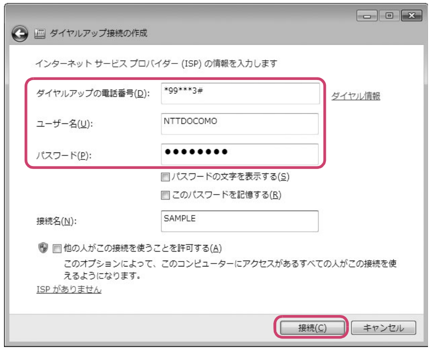
The modem selection screen appears only if there are multiple modems.



6 Select the "ダイヤルアップの電話番号" (Phone number for dial-up) and enter the number of the access point

You can leave user name and password blank for mopera U connection.
To connect to any other provider than mopera U, enter the user name and password specified by the provider or network administrator in the "ユーザー名" (User Name) and "パスワード" (Password) columns as this screen.

This screen is an example of accessing mopera U by packet communication.



7 Click "接続" (Connect) and then click "スキップ" (Skip)

To confirm the settings, cancel a connection test.

8 Click "閉じる" (Close)

9 Click "ネットワークとインターネット" (Network and Internet) → "ネットワークの状態とタスクの表示" (Show network status and task) → "ネットワークに接続" (Connect to network) on Control Panel

10 Right-click the icon created for the dial-up and click "プロパティ" (Properties)

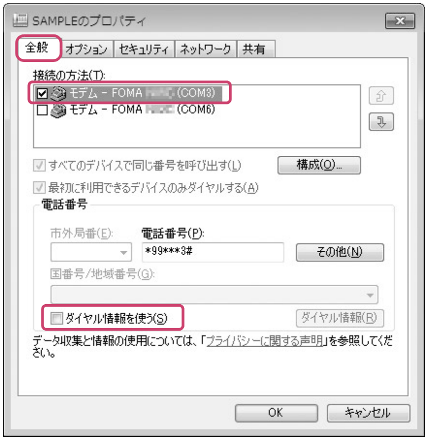


11 Confirm the settings on the "全般" (General) tab

If two or more modems are connected to the PC

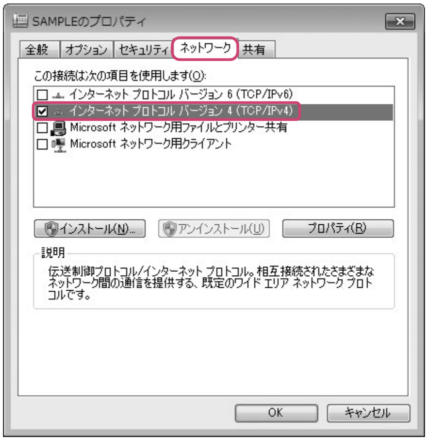
When connecting using the FOMA USB Cable with Charge Function 02, confirm that only the in-use FOMA terminal is checked in the "接続の方法" (Connection method) column.
When connecting wirelessly using Bluetooth communication, confirm that only "モデム (Modem) - the name of the in-use Bluetooth linked standard modem or Bluetooth modem provided by a Bluetooth device maker" is checked in the "接続の方法" (Connection method) column.
If it is not checked, check it.

Confirm that "ダイヤル情報を使う" (Use Dial Information) is unchecked. If not, uncheck it.



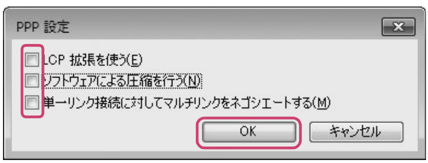
12 Click the "ネットワーク" (Network) tab and set up each setting

Check only "インターネット プロトコル バージョン4（TCP/IPv4）" (Internet Protocol version 4 (TCP/IPv4)) in the "この接続は次の項目を使用します" (Use the following items for this connection).



13 Click the "オプション" (Options) tab and click "PPP設定" (PPP settings)

14 Clear all the boxes and click "OK"



15 Click "OK"

Setting up dial-up on Windows Vista

1. **Open "" → "接続先" (Access point)**

2. **Click "接続またはネットワークをセットアップします" (Set up the connection or network)**

3. **Select "ダイヤルアップ接続をセットアップします" (Set up dial-up connection) and click "次へ" (Next)**

4. **If the modem selection screen appears, click the in-use FOMA terminal**

   When connecting wirelessly using Bluetooth communication, click the in-use Bluetooth linked standard modem or Bluetooth modem provided by a Bluetooth device maker.

   The modem selection screen appears only if there are multiple modems.



5. **Select the "ダイヤルアップの電話番号" (Phone number for dial-up) and enter the number of the access point**

   You can leave user name and password blank for mopera U connection.
   To connect to any other provider than mopera U, enter the user name and password specified by the provider or network administrator in the "ユーザー名" (User Name) and "パスワード" (Password) columns as this screen.

   This screen is an example of accessing mopera U by packet communication.



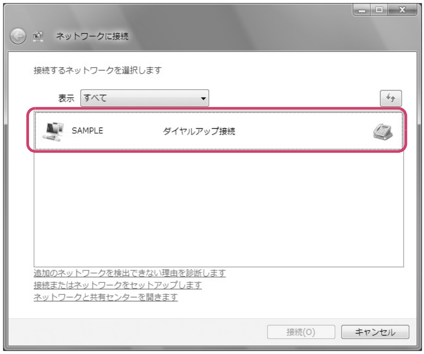
6. **Click "接続" (Connect) and then click "スキップ" (Skip)**

   To confirm the settings, cancel a connection test.

7. **Click "接続をセットアップします" (Set up the connection) and then "閉じる" (Close)**

8. **Open "" → "接続先" (Access point)**

9 Right-click the icon created for the dial-up and click "プロパティ" (Properties)

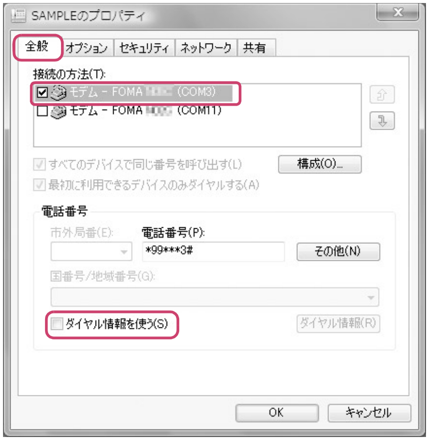


10 Confirm the settings on the "全般" (General) tab

If two or more modems are connected to the PC

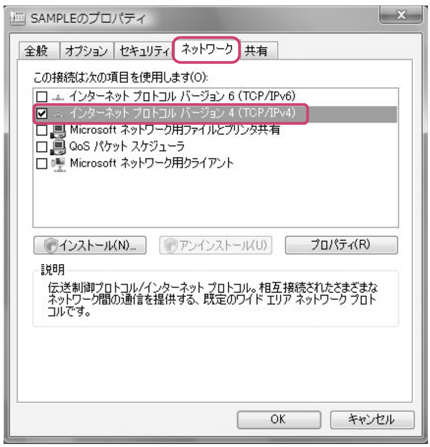
When connecting using the FOMA USB Cable with Charge Function 02, confirm that only the in-use FOMA terminal is checked in the "接続の方法" (Connection method) column.
When connecting wirelessly using Bluetooth communication, confirm that only "モデム (Modem) - the name of the in-use Bluetooth linked standard modem or Bluetooth modem provided by a Bluetooth device maker" is checked in the "接続の方法" (Connection method) column.
If it is not checked, check it.

Confirm that "ダイヤル情報を使う" (Use Dial Information) is unchecked. If not, uncheck it.



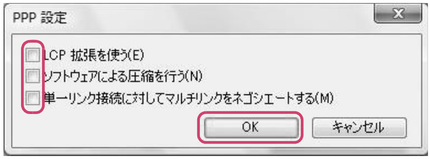
11 Click the "ネットワーク" (Network) tab and set up each setting

Check only "インターネット プロトコル バージョン4 (TCP/IPv4)" (Internet Protocol version 4 (TCP/IPv4)) in the "この接続は次の項目を使用します" (Use the following items for this connection). Check "QoS パケットスケジューラ" (QoS Packet Scheduler) and other items if instructed by the provider.



12 Click the "オプション" (Options) tab and click "PPP設定" (PPP settings)

13 Clear all the boxes and click "OK"

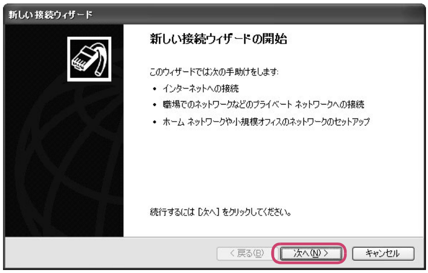


14 Click "OK"

Setting up dial-up on Windows XP

1 Open "スタート" (Start) → "すべてのプログラム" (All programs) → "アクセサリ" (Accessories) → "通信" (Communication) → "新しい接続ウィザード" (New connection wizard)

2 When the "新しい接続ウィザード" (New Connection Wizard) screen appears, click "次へ" (Next)



3 Select "インターネットに接続する" (Connect to the Internet) and click "次へ" (Next)

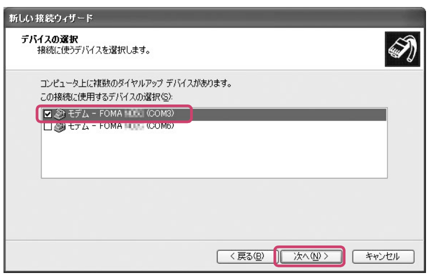
4 Select "接続を手動でセットアップする" (Set up the connection manually) and click "次へ" (Next)

5 Select "ダイヤルアップモデムを使用して接続する" (Connect using a dial-up modem) and click "次へ" (Next)

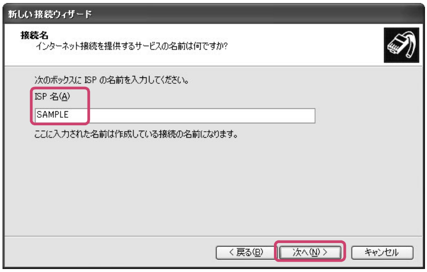
6 If the "デバイスの選択" (Select the device) screen appears, select only the in-use FOMA terminal, and click "次へ" (Next)

When connecting wirelessly using Bluetooth communication, select the in-use Bluetooth linked standard modem or Bluetooth modem provided by a Bluetooth device maker.

The "デバイスの選択" (Select the device) screen appears only if there are multiple modems. (COMx) is a number of COM port displayed in "Checking the COM port" (p.22).

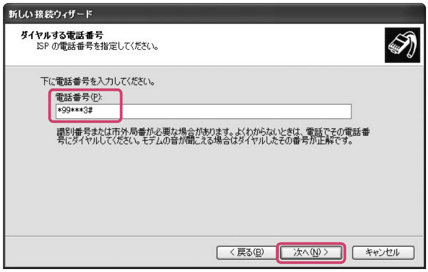


7 Enter any name you want in the "ISP名" (ISP Name) and click "次へ" (Next)



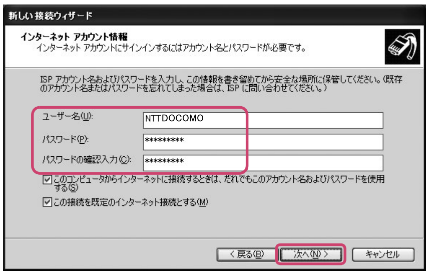
8 Enter the number of the access point in the "電話番号" (Telephone Number) column and click "次へ" (Next)

This screen is an example of accessing mopera U by packet communication.



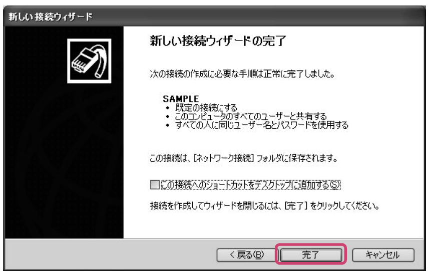
9 Click "次へ" (Next)

You can leave user name and password blank for mopera U connection.
To connect to any other provider than mopera U, enter exact information specified by the provider or network administrator in the "ユーザー名" (User Name), "パスワード" (Password) and "パスワードの確認入力" (Confirm Password) columns as this screen.



10 Click "完了" (Finish)

The newly created connection wizard appears.



11 Open "スタート" (Start) → "すべてのプログラム" (All programs) → "アクセサリ" (Accessories) → "通信" (Communication) → "ネットワーク接続" (Network connections)

12 Select the icon created for the dial-up and open "プロパティ" (Properties) in the "ファイル" (File) menu

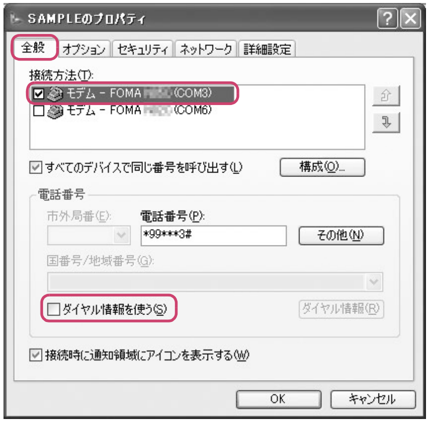


13 Confirm the settings on the "全般" (General) tab

If two or more modems are connected to the PC

When connecting using the FOMA USB Cable with Charge Function 02, confirm that only the in-use FOMA terminal is checked in the "接続方法" (Connection method) column.
When connecting wirelessly using Bluetooth communication, confirm that only "モデム (Modem) - the name of the in-use Bluetooth linked standard modem or Bluetooth modem provided by a Bluetooth device maker" is checked in the "接続方法" (Connection method) column.
If it is not checked, check it.

Confirm that "ダイヤル情報を使う" (Use Dial Information) is unchecked. If it is checked, uncheck it.

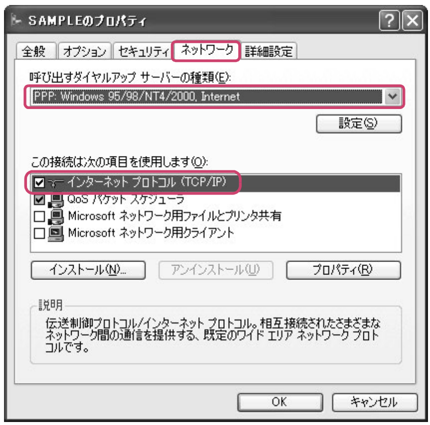


This screen is an example of accessing mopera U by packet communication.

14 Click the "ネットワーク" (Network) tab and set up each setting

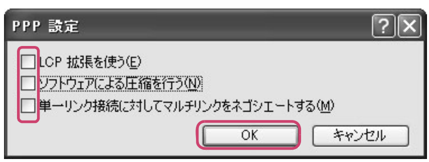
Select "PPP: Windows 95/98/NT4/2000, Internet" in the "呼び出すダイヤルアップサーバーの種類" (Type of the dial-up server to call).

Select "インターネットプロトコル（TCP/IP）" (Internet Protocol (TCP/IP)) in the "この接続は次の項目を使用します" (Use the following items for this connection). Since the setting of "QoSパケットスケジューラ" (QoS Packet Scheduler) cannot be changed, leave it as it is.



15 Click "設定" (Settings)

16 Clear all the boxes and click "OK"



17 **When the Step 14 screen reappears, click "OK"**

Running dial-up connection

This section describes how to make a dial-up connection for packet communication by using the dial-up setting.

<Example: Using the FOMA USB Cable with Charge Function 02 on Windows 7>

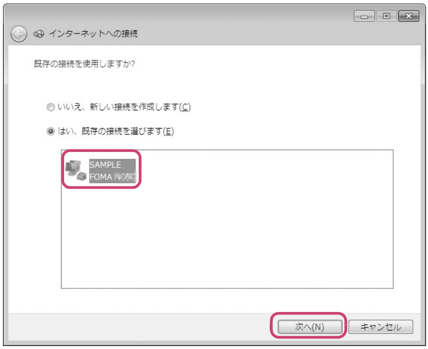
1 **Connect the FOMA terminal to the PC with the FOMA USB Cable with Charge Function 02 (optional)**

2 **Open " " → "コントロールパネル" (Control Panel)→ "インターネットへの接続" (Connect to Internet)**

For Windows 8

From the Start screen, open the "デスクトップ" (Desktop), and then move the mouse cursor to the top right corner of the screen to display the Charm Bar → Click "設定" (Settings) → "コントロールパネル" (Control Panel) → "インターネットへの接続" (Connect to the Internet)

3 **Select the access point and click "次へ" (Next)**



4 **Confirm the settings and click "ダイヤル" (Dial)**

This screen is an example for mopera U connection. You can leave user name and password blank for mopera U connection.



<The Connecting screen appears>

While this screen appears, the log-on process such as confirmation of the user name and password is performed.



<Completion of the connection>

When the connection is complete and a screen indicating the completion of the connection appears, click "閉じる" (Close). (Depending on the OS, a message appears from the indicator of the taskbar located on the bottom-right of the desktop for a few seconds.)
You can start browser software to view sites and websites or to use e-mail.
When connection is not available, check "Setting up Dial-up Network" (p.22) and "Setting up Dial-up" (p.30).
See p.20 for communication conditions.

How to disconnect

Just closing the Internet browser may not disconnect the communication line. Follow the instructions below to disconnect for sure. This section describes an example using Windows 7.

1 Click the dial-up icon in the task-tray

The connection condition screen for Internet will be displayed.

2 Select the connected item and click "切断" (Disconnect)

NOTE

● The communication speed displayed on the PC may be different from the actual communication speed.

When this happens

● Check the followings if you cannot connect to the network or dial-up successfully.

Problem	Points to check
A FOMA terminal is not recognized by the PC.	· Check if your PC satisfies the required operating environment (p.4). · Check if the FOMA terminal is connected to the PC and the power is turned on. <When using the FOMA USB Cable with Charge Function 02 (optional)> · Check if the FOMA communication setting file (drivers) is installed. · Check if the FOMA USB Cable with Charge Function 02 (optional) is firmly connected. · Check if the USB mode (p.7) is set to "Communication mode". <When using Bluetooth communication> · Check if the Bluetooth device is connected to the FOMA terminal via dial-up communication service.
Unable to connect with the access point.	· Check if the settings for the ID (user name) and password are correct. · If the access point requires the Caller ID, make sure that "184" is not added to the phone number. · Check if the box of "フロー制御を使う" (Use the flow control) of the modem property is checked. · Check if the APN is set correctly. · If you still cannot connect to the other end after checking the above, consult with the Internet service provider or network administrator about the setting method.

AT Command List

AT commands available on FOMA terminal

- The following abbreviations are used in the AT command list;
  [&F] : Command of which setting is initialized by AT&F command.
  [&W] : Command of which setting is saved by AT&W command. The setting can be retrieved by ATZ command.
- When you make a call via an external device or using AT command, the call is made from Number A in A mode/Dual mode, and from Number B in B mode.

Modem port command list

The followings are the usable commands for "FOMA 【model name】(モデム)" (modem):

- When you execute commands via Bluetooth connection, a single-byte space is inserted after each ":" in the results.

AT command	Outline	Parameter/description	Command execution example
A/	Executes the last executed command again. No carriage return is necessary.	—	A/ OK
AT	—	The modem function of a FOMA terminal is controllable by adding the command of this table after this command. * OK is answered even when only AT is entered.	AT OK
AT%V	Displays the version of the FOMA terminal.	—	AT%V Ver1.00 OK
AT&C*n* [&F] [&W]	Selects the operating condition of the circuit CD signal to DTE.	*n*=0 : CD is always ON. *n*=1 : CD changes according to the carrier of the other party's modem (initial value).	AT&C1 OK
AT&D*n* [&F] [&W]	Selects the operation to take place when the circuit ER signal received from DTE transits between ON and OFF.	*n*=0 : Ignores ER status (always assumed to be ON). *n*=1 : When ER changes from ON to OFF, it becomes an on-line command status. *n*=2 : If ER changes from ON to OFF, a connection is disconnected and it will be in an off-line command status (initial value).	AT&D1 OK
AT&E*n* [&F] [&W]	Selects how to display the connection speed.	*n*=0 : Displays the wireless network transmission speed. *n*=1 : Displays the DTE serial transmission speed (initial value).	AT&E0 OK
AT&F*n*	Restores all of registers to their defaults. If this command is input during communication, the line will be disconnected.	Only *n*=0 can be specified (can be omitted).	(At the time of off-line mode) AT&F OK AT&F? ERROR AT&F=? ERROR (At the time of on-line command mode) AT&F NO CARRIER (Change to off-line mode)
AT&S*n* [&F] [&W]	Sets the Data Set Ready signal to be output to DTE.	*n*=0 : DR is always ON (initial value). *n*=1 : DR signal is ON when the line is connected (when the communication call is established).	AT&S0 OK

AT command	Outline	Parameter/description	Command execution example
AT&W*n*	Stores the current settings.	Only *n*= 0 can be specified (can be omitted).	AT&W0 OK AT&W OK AT&W? ERROR AT&W = ? ERROR
AT＊DANTE	Displays the FOMA terminal signal reception level.	0 : FOMA terminal signal reception level is displayed as out of area. 1 : FOMA terminal signal reception level is 0 or 1 bar. 2 : FOMA terminal signal reception level is 2 bars. 3 : FOMA terminal signal reception level is 3 bars.	AT＊DANTE ＊DANTE:3 OK AT＊DANTE = ? ＊DANTE:(0-3) OK
AT＊DGANSM=*n*	Sets the reject/permit mode setting for the packet incoming call. This command is effective for those incoming packet calls after the setting command is input.	*n*= 0 : Disables the incoming call reject (AT＊DGARL)/permit setting (AT＊DGAPL) (initial value). *n*= 1 : Enables the incoming call reject setting. *n*= 2 : Enables the incoming call permit setting. AT＊DGANSM? : Displays the current setting.	AT＊DGANSM=0 OK AT＊DGANSM? ＊DGANSM:0 OK
AT＊DGAPL=*n* [,cid]	Sets APN, which permits incoming packet calls, by using <cid> parameter defined by +CGDCONT	*n*= 0 : Adds the APN defined by <cid> to incoming call permission list. *n*= 1 : Deletes the APN defined by <cid> from incoming call permission list. If <cid> is omitted, this will apply to all cid. AT＊DGAPL? : Displays incoming call permission list.	AT＊DGAPL =0,5 OK AT＊DGAPL? ＊DGAPL:1 OK AT＊DGAPL =1 OK AT＊DGAPL? OK
AT＊DGARL=*n* [,cid]	Sets APN, which rejects incoming packet calls, by using <cid> parameter defined by +CGDCONT	*n*= 0 : Adds the APN defined by <cid> to incoming call rejection list. *n*= 1 : Deletes the APN defined by <cid> from incoming call rejection list. If <cid> is omitted, this will apply to all cid. AT＊DGARL? : Displays incoming call rejection list.	AT＊DGARL =0,5 OK AT＊DGARL? ＊DGARL:1 OK AT＊DGARL =1 OK AT＊DGARL? OK
AT＊DGPIR=*n*	This command validates the setting for notifying Caller ID when sending/receiving packet communication. Even in the dial up network setting, you can also add 186 (notify) or 184 (not notify) to the access point number. (p.28)	*n*= 0 : Uses APN as it is (initial value). *n*= 1 : Uses APN by adding "184". (Caller ID is always not sent.) *n*= 2 : Uses APN by adding "186". (Caller ID is always sent.) AT＊DGPIR? :Displays the current setting.	AT＊DGPIR =0 OK AT＊DGPIR? ＊DGPIR:0 OK
AT＊DRPW	Displays the indicator value of the receiving power of the FOMA terminal.	–	AT＊DRPW ＊DRPW:0 OK AT＊DRPW=? ＊DRPW:(0-75) OK
AT+CAOC	Inquires for the current charge.	–	AT+CAOC +CAOC:"000014" OK

AT command	Outline	Parameter/description	Command execution example
AT+CBC	Displays the battery status of the FOMA terminal.	Result: +CBC:<bcs>,<bcl> bcs: 0 : FOMA terminal is powered by the battery. 1 : FOMA terminal is not powered by the battery. 2 : FOMA terminal is not connected to the battery. 3 : FOMA terminal is out of transmission due to the power-supply error. bcl: 0 : Battery has run out, or battery is not connected. 1-100 : Battery remained	AT+CBC +CBC:0,70 OK AT+CBC? ERROR AT+CBC=? +CBC:(0-3),(0-100) OK
AT+CBST [&F] [&W]	Changes the bearer service type.	Format: AT+CBST=<*n*>,1,0 *n*=116 : 64,000bps (bit transparent) (initial value) *n*=134 : 64,000bps (multimedia)	AT+CBST=134,1,0 OK AT+CBST? +CBST:134,1,0 OK AT+CBST=? +CBST:(116,134),(1),(0) OK
AT+CDIP=*n* [&F] [&W]	Sets whether to notify the called sub address for the incoming call. Inquires for Multi number subscription.	*n*=0 : Not notify the called sub address (initial value). *n*=1 : Notify the called sub address. AT+CDIP? : Displays the current setting. +CDIP:*n*,*m* *m*=0 : You do not subscribe to Multi number. *m*=1 : You subscribe to Multi number. *m*=2 : Unknown	AT+CDIP=0 OK AT+CDIP? +CDIP:0,1 OK
AT+CEER	Displays the reason for disconnection of the previous call.	Result: +CEER:<report> report: List of disconnection reasons (p.55).	AT+CEER +CEER:36 OK
AT+CGDCONT	Sets the access point name (APN) for packet origination.	p.52	p.52
AT+CGEQMIN	Registers a criterion to be used to decide whether or not to allow the QoS (quality of service) that is informed from the network side when PPP packet communication is established.	p.52	p.52
AT+CGEQREQ	Sets the QoS (quality of service) to be requested to network when originating a PPP packet communication.	p.53	p.53
AT+CGMR	Displays the version of the FOMA terminal.	—	AT+CGMR 12345xxxxxxxxxxx OK
AT+CGREG=*n* [&F] [&W]	Specifies whether to notify the network registration condition. The returned notification displays whether you are inside or out of service.	*n*=0 : Not informed (initial value). *n*=1 : Informed. Informed when switching between "Inside the service area" and "Outside the service area" is completed. AT+CGREG? : Displays the current setting. +CGREG : <*n*>, <stat> *n*: Set value stat : 0: Out of packet area 1: Within packet area 4: Unknown 5: Within packet area	AT+CGREG=1 OK (Set to informed) AT+CGREG? +CGREG: 1,0 OK AT+CGREG=? +CGREG: (0,1) OK (Outside the service area) (When you move from "outside the service area" to "inside the service area".) +CGREG:1
AT+CGSN	Displays the product number of the FOMA terminal.	—	AT+CGSN 12345xxxxxxxxxxx OK

AT command	Outline	Parameter/description	Command execution example
AT+CLIP=*n* [&F] [&W]	Displays the other party's Caller ID on a PC when a 64K data communication call is received.	*n*= 0 : Not display the result (initial value) *n*= 1 : Display the result AT+CLIP? : Displays the current setting. +CLIP:*n*,*m* *m*= 0 : NW setting not notifying the other party of the Caller ID in outgoing call. *m*= 1 : NW setting notifying the other party of the Caller ID in outgoing call. *m*= 2 : Unknown	AT+CLIP=0 OK AT+CLIP? +CLIP:0,1 OK (A call is received when +CLIP=1 is set) RING +CLIP: "090XXXXXXXX",177, "123",136
AT+CLIR=*n*	Sets whether or not to notify the other party of the phone number when originating a 64K data communication call.	*n*= 0 : Complies to the CLIR service contract. *n*= 1 : Not notify the other party of the caller's phone number. *n*= 2 : Notify the other party of the caller's phone number (initial value). AT+CLIR? : Displays the current setting. +CLIR:*n*,*m* *m*=0 : CLIR is not started (Caller ID is always sent) *m*= 1 : CLIR is started (Caller ID is always not sent) *m*= 2 : Unknown *m*= 3 : CLIR temporary mode (default is not notify) *m*=4 : CLIR temporary mode (default is notify)	AT+CLIR=0 OK AT+CLIR? +CLIR:0,1 OK AT+CLIR=? +CLIR:(0-2) OK
AT+CMEE=*n* [&F] [&W]	Sets whether the error report of the FOMA terminal is present.	*n*= 0 : Use the ERROR result (initial value). *n*= 1 : +CME ERROR:<err> result code is used, and a numeral value is used for <err>. *n*= 2 : +CME ERROR:<err> result code is used, and characters are used for <err>. AT+CMEE? : Displays the current setting. The command displayed on the right is the execution example for cases when there is a FOMA terminal problem or a connection error. +CME ERROR result code is as follows. 1 : no connection to phone 10 : SIM not inserted 15 : SIM wrong 16 : incorrect password 100 : unknown	AT+CMEE=0 OK AT+CNUM ERROR AT+CMEE=1 OK AT+CNUM +CME ERROR:10 AT+CMEE=2 OK AT+CNUM +CME ERROR:SIM not inserted
AT+CNUM	Displays the own number of the FOMA terminal.	Result: +CNUM:,<number>,<type> number: phone number type : 129 or 145 129 : International access code (+) is not included. 145 : International access code (+) is included.	AT+CNUM +CNUM:,"+8190XXXXXXXX",145 OK

AT command	Outline	Parameter/description	Command execution example
AT+COPS	Selects the network operator to connect.	Format : AT+COPS=<mode>,2,<oper> mode=0 : automatic (searches the network and switches the network operator automatically) mode=1 : manual (connects to the network operator specified in <oper>) mode=2 : Disconnects the connection to the network operator mode=3 : Mapping is not performed. mode=4 : manual/automatic (if the connection to the network operator specified in <oper> fails, works as automatic mode.) <oper> is a hexadecimal value which consists of Country code (MCC) and Network code (MNC). The format is as follows: Digit 1 of MCC · · · octet 1 bits 1 to 4 Digit 2 of MCC · · · octet 1 bits 5 to 8 Digit 3 of MCC · · · octet 2 bits 1 to 4 Digit 3 of MNC · · · octet 2 bits 5 to 8 Digit 2 of MNC · · · octet 3 bits 5 to 8	AT+COPS=0 OK AT+COPS? +COPS:0 OK AT+COPS=? +COPS:(2,,,"44F001"),(3,,,"44F002"),,(0,1,3),(2) OK
AT+CPAS	Displays whether the control signal to the FOMA terminal is available or not.	Result: +CPAS: <pas> pas: 0 : FOMA terminal can send/receive control signal. 1 : FOMA terminal can not send/receive control signal. 2 : Unknown (control signal sending/receiving is not assured). 3 : FOMA terminal can send/receive control signal and it is currently receiving. 4 : FOMA terminal can send/receive control signal and it is currently communicating.	AT+CPAS +CPAS:0 OK AT+CPAS? ERROR AT+CPAS=? +CPAS:(0-4)

AT command	Outline	Parameter/description	Command execution example
AT+CPIN	Enters the PIN code in the FOMA terminal.	Format: AT+CPIN="<pin>","<newpin>" This command is to enter the PIN1, PIN2, or PUK code - depending on the state of the result code returned when AT+CPIN? is entered - of the FOMA terminal. Even if PIN code entry or the PUK code is requested on the screen, depending on the state of the result code when AT+CPIN? is entered, you may not be able to use this command to enter the PIN. Do not use this command to change PIN code. Put <pin> and <newpin> in " ". AT+CPIN? result +CPIN：READY：PIN1 code, PIN2 code Cannot enter the PUK1 or PUK2 code +CPIN：SIM PIN：PIN1 entry standby +CPIN：SIM PIN2：PIN2 entry standby +CPIN：SIM PUK：PIN1 blocked (Can enter PUK1 code) +CPIN:SIM PUK2 : PIN2 blocked (Can enter PUK2 code) The command displayed on the right is an entry sample of PIN code "1234" and PUK code "12345678".	(The status in which +CPIN: READY is answered when +CPIN? is entered) AT+CPIN="1234" ERROR (The status in which +CPIN: READY is answered when +CPIN? is entered) AT+CPIN="12345678", "1234" ERROR (The status in which +CPIN: SIM PIN is answered when +CPIN? is entered) AT+CPIN="1234" OK (The status in which +CPIN: SIM PUK is answered when +CPIN? is entered: PIN1 lock status) AT+CPIN="12345678", "1234" OK (The status in which +CPIN: SIM PUK2 is answered when +CPIN? is entered: PIN2 lock status) AT+CPIN="12345678", "1234" OK AT+CPIN? +CPIN:READY OK AT+CPIN=? OK
AT+CR=*n* [&F] [&W]	When the line is connected, displays the bearer service type before the CONNECT result code is displayed.	*n*=0 : Not display (initial value). *n*=1 : Display. <serv> : Displays only "GPRS", which means packet communication. (Displaying "SYNC" or "AV64K" depending on the line type.) AT+CR?: ：Displays the current setting.	AT+CR =1 OK ATD ＊99＊＊＊1# +CR : GPRS CONNECT
AT+CRC=*n* [&F] [&W]	Sets whether to use the extended result code for the incoming call.	*n*=0 : Not use +CRING (initial value). *n*=1 : Use +CRING.<type>. Format of +CRING: +CRING：SYNC +CRING：AV64K ：GPRS “PPP” ,,, “<APN>” AT+CRC? ：Displays the current setting.	AT+CRC=0 OK AT+CRC? +CRC：0 OK (PPPoverUD received) +CRING：SYNC (AV64K received) +CRING：AV64K (PPP packet received) +CRING：GPRS “PPP” ,,, “〈APN〉”

AT command	Outline	Parameter/description	Command execution example
AT+CREG=*n* [&F] [&W]	Specifies whether the result screen is present regarding the inside/outside the service area information display. ● This setting may not be available depending on the Operating System.	*n*=0 : Not informed (initial value). *n*=1 : Informed. Informed when switching between "Inside the service area" and "Outside the service area" is complete. AT+CREG? : Displays the current setting. +CREG : <*n*>,<stat> *n*: Set value stat: 0: Outside voice call area 1: Inside voice call area 4: Unknown 5: Inside voice call area	AT+CREG=1 OK (Set to informed) AT+CREG? +CREG : 1,0 OK (Outside the service area) (When you move from outside the service area to inside the service area.) +CREG : 1
AT+CUSD [&F] [&W]	Specifies or inquires for the network setting regarding the additional services.	Format: AT+CUSD=<*n*>,"<str>"[,0] *n*=0 : Does not send mid result <m>[<str>,<dcs>] (initial value) *n*=1 : Sends mid result <m>[<str>,<dcs>] Mid result: *m*=0 : The settings completed *m*=1 : The network requires the information. str : Only 0-9, #, ∗ can be entered. Enclose <str> with "" (double quotation mark).	AT+CUSD=0, "xxxxxxxxx" OK AT+CUSD=1," ∗ 148 ∗ 1 ∗ 0000#",0 +CUSD:0,"148 ∗ 7#",0 OK AT+CUSD? +CUSD:0 OK AT+CUSD =? +CUSD:(0,1) OK
AT+FCLASS=*n* [&F] [&W]	Sets the communication class supported by the FOMA terminal.	*n*=0 : data is only supported. (initial value)	AT+FCLASS=0 OK
AT+GCAP	Displays the supported area for the AT commands available for the FOMA terminal.	Result: +GCAP:<area>,<area>,<area> area : +CGSM : Some or all GSM commands are supported. +FCLASS : +FCLASS command is supported. +W : +W command is supported.	AT+GCAP +GCAP:+CGSM,+FCLASS,+W OK
AT+GMI	Displays the manufacturer name.	—	AT+GMI NEC OK
AT+GMM	Displays the FOMA terminal product name.	—	AT+GMM FOMA 【model name】 OK
AT+GMR	Displays the version of the FOMA terminal.	—	AT+GMR Ver1.00 OK
AT+IFC=*n*,*m* [&F] [&W]	Selects the flow control method.	*n* : DCE by DTE *m* : DTE by DCE 0 : No flow control 1 : XON/XOFF flow control. 2 : RS/CS (RTS/CTS) flow control. initial value: *n*,*m* =2, 2 AT+IFC?: Displays the current setting.	AT+IFC=2,2 OK AT+IFC? +IFC : 2,2 OK AT+IFC=? +IFC : (0,1,2) ,(0,1,2) OK
AT+WS46	Displays the wireless communication network of the FOMA terminal.	12 : GSM/GPRS fixed mode 22 : 3G fixed mode 25 : Auto mode	AT+WS46? 25 OK

AT command	Outline	Parameter/description	Command execution example
AT¥S	Displays the contents of commands and S registers currently set.	–	AT¥S E1 Q0 V1 X4 &C1 &D2 &S0 &E1 ¥V0 S000=000 S002=043 S003=013 S004=010 S005=008 S006=005 S007=060 S008=003 S010=001 S030=000 S103=001 S104=001 OK
AT¥V*n* [&F] [&W]	Selects the response code specification for connecting the line.	*n*=0 : Not use extended result code (initial value). *n*=1 : Use extended result code.	AT¥V0 OK
ATA	Handles the incoming call process according to the mode received by the FOMA terminal.	–	RING ATA CONNECT
ATD	Handles the automatic calling process for the FOMA terminal according to the specified parameters and dial parameters.	ATD＊99＊＊＊<cid># : Packet communication <cid> 1 to 10: displays APN with +CGDCONT setting. AT+CBST=116,1,0 ATD<phone number> : 64K communication AT+CBST=134,1,0 ATD<phone number> : AV64K communication	<Packet communication> ATD＊99＊＊＊1# CONNECT <64K communication> AT+CBST=116,1,0 OK ATD090xxxxxxxx CONNECT <AV64K communication> AT+CBST=134,1,0 OK ATD090xxxxxxxx CONNECT
ATE*n* [&F] [&W]	Selects whether the echo back is present for DTE in the command mode.	*n*=0 : Echo back absent. *n*=1 : Echo back present (initial value).	ATE1 OK
ATH*n*	Performs on-hook operation for the FOMA terminal.	*n*=0 : Disconnect the line (can be omitted).	(During packet communication) +++ OK ATH NO CARRIER
ATI*n*	Displays the ID code.	*n*=0 : Displays "NTT DoCoMo". *n*=1 : Displays the product name (same with +GMM). *n*=2 : Displays the version of the FOMA terminal (same with +GMR). *n* =3 : Displays the each element of ACMP signal. *n* =4 : Displays the details of communication functions of the FOMA terminal.	ATI0 NTT DoCoMo OK ATI1 FOMA 【model name】 OK
ATO*n*	Returns from the online command mode to the online data mode during communication.	*n*=0 : Returns from online command mode to online data mode (can be omitted).	ATO CONNECT
ATQ*n* [&F] [&W]	Specifies whether or not to display the result code for DTE.	*n*=0 : Displays the result code (initial value). *n*=1 : Not display the result code.	ATQ0 OK ATQ1 (At that time, OK is not returned.)

AT command	Outline	Parameter/description	Command execution example
ATS0=*n* [&F] [&W]	Specifies how many times the FOMA terminal rings before it automatically receives a call.	*n*=0 : No automatic answer (initial value). *n*=1- 255: A call is automatically answered after the specified number of rings. ATS0?: Displays the current setting.	ATS0=0 OK ATS0? 000 OK
ATS2=*n* [&F]	Sets an escape character.	*n*=43 : Initial value. *n*=127 : Escapes processing is invalid. ATS2? : Displays the current setting.	ATS2=43 OK ATS2? 043 OK
ATS3=*n* [&F]	Sets a carriage return (CR) character.	*n*=13 : Initial value (Only *n*=13 can be specified). ATS3? : Displays the current setting.	ATS3=13 OK ATS3? 013 OK
ATS4=*n* [&F]	Sets a line feed (LF) character.	*n*=10 : Initial value (Only *n*=10 can be specified). ATS4? : Displays the current setting.	ATS4=10 OK ATS4? 010 OK
ATS5=*n* [&F]	Sets a backspace (BS) character.	*n*=8 : Initial value (Only *n*=8 can be specified). ATS5? : Displays the current setting.	ATS5=8 OK ATS5? 008 OK
ATS6=*n* [&F]	Sets the pause time (second) until a dial starting.	This command can be set but cannot be operated.	ATS6=5 OK ATS6? 005 OK ATS6=? ERROR
ATS8=*n* [&F]	Sets the pause time (second) by using the comma dial.	This command can be set but cannot be operated.	ATS8=3 OK ATS8? 003 OK ATS8=? ERROR
ATS10=*n* [&F][&W]	Automatic disconnection delay time setting. (1/10 second)	This command can be set but cannot be operated.	ATS10=1 OK ATS10? 001 OK ATS10=? ERROR
ATS30=*n* [&F]	Disconnects the line when there is no user data exchange for the time set in this command.	*n*=0 : Inactive timer off (initial value) *n*=0 - 255 Where n is the number of minutes.	ATS30=0 OK ATS30? 000 OK ATS30=? ERROR
ATS103=*n* [&F]	Sets the called sub address character.	*n*=0 : * *n*=1 : / (initial value) *n*=2 : ¥ (¥ mark or back slash)	ATS103=0 OK ATS103? 000 OK ATS103=? ERROR

AT command	Outline	Parameter/description	Command execution example
ATS104=*n* [&F]	Sets the calling sub address character.	*n*=0 : # *n*=1 : % (initial value) *n*=2 : &	ATS104=0 OK ATS104? 000 OK ATS104=? ERROR
ATV*n* [&F] [&W]	Specifies whether the result code is returned in numerals or alphabets.	*n*=0 : Returns the result code in numeral value. *n*=1 : Returns the result code in characters (initial value).	ATV1 OK
ATX*n* [&F] [&W]	Specifies whether the speed indication is present in the CONNECT display when connecting the line. Also detects a busy tone or a dial tone.	*n*=0 : Without dial tone detection; without busy tone detection; without speed display. *n*=1 : Without dial tone detection; without busy tone detection; with speed display. *n*=2 : With dial tone detection; without busy tone detection; with speed display. *n*=3 : Without dial tone detection; with busy tone detection; with speed display. *n*=4 : With dial tone detection; with busy tone detection; with speed display. (initial value)	ATX1 OK
ATZ	Resets the current setting to the contents of the non-volatile memory. If this command is input during communication, the line will be disconnected.	—	(Online command mode) ATZ NO CARRIER (Offline command mode) ATZ OK
+++	In response to the escape sequence, the online data mode changes to the online command mode while maintaining the line connection.	—	(Online data mode) +++ (No display) OK

● Supplementary explanation of AT command

■ Commands which do not function

The following commands do not generate errors but will not function as a command:

・ ATT (Tone setting)
・ ATP (Pulse setting)

■ Command name: +CGDCONT=[parameter]

・Outline

Sets the access point name (APN) for packet origination.

Though this command is a setting command, it will not be recorded in non-volatile memory written by [&W], nor reset by [&F] or [Z].

・Format

+CGDCONT=[<cid>[,"<PDP_type>"[,"<APN>"]]]

・Explanation of the parameters

Sets the access point name (APN) for packet origination. See the following command execution example:

<cid>*1 : 1 ~ 10

<PDP_type>*2 : PPP or IP

<APN>*3 : Any value

*1 : <cid> is a number for managing the access point name (APN) registered in the FOMA terminal for packet communication. For the FOMA terminal, you can register a number from 1 to 10. As "mopera.net" is assigned by default to <cid>=1 and <cid>=3 and "mpr.ex-pkt.net" to <cid>=4, assign the APN to cid2 or cid5 through cid10.

*2 : <PDP_type> is the connection method. For the FOMA terminal, you can specify PPP or IP. By default, PPP is assigned to <cid>=1 and 4 and IP to <cid>=3. Specify PPP when you use the FOMA terminal as an access point for Access point mode.

*3 : <APN> is an arbitrary character string indicating each access point name.

・Operation performed when the parameter is omitted

+CGDCONT= : Sets the initial value to all <cid>.

+CGDCONT=<cid> : Sets the specified <cid> to the initial value.

+CGDCONT=? : Displays a list of values that can be set.

+CGDCONT? : Displays the current setting.

・Command execution example

Command for registering an APN name of abc (when cid is 5).

AT+CGDCONT=5,"PPP","abc"

OK

■ Command name: +CGEQMIN=[parameter]

・Outline

Registers a criterion to be used to decide whether or not to allow the QoS (quality of service) that is informed from the network side when PPP packet communication is established.

There are 4 setting patterns as described in the following command execution example.

Though this command is a setting command, it will not be recorded in non-volatile memory written by [&W], nor reset by [&F] or [Z].

・Format

+CGEQMIN=[<cid>[,,<Maximum bitrate UL>[,<Maximum bitrate DL>]]]

・Explanation of the parameters

<cid>*1 : 1～10

<Maximum bitrate UL>*2 : None (initial value) or 5,760

<Maximum bitrate DL>*2 : None (initial value) or 7,232

*1 : <cid> is a number for managing the access point name (APN) registered in the FOMA terminal for a packet communication.

*2 : <Maximum bitrate UL> and <Maximum bitrate DL> set the maximum communication speed (kbps) of uplink and downlink between the FOMA terminal and base station. When it is set to "None" (initial value), all speeds will be permitted, but when set to 5,760 or 7,232, a connection at a speed of other values will not be permitted, and a packet communication may not be connected.

・Operation performed when the parameter is omitted

+CGEQMIN= : Sets the initial value to all <cid>.

+CGEQMIN=<cid> : Sets the specified <cid> to the initial value.

+CGEQMIN=? : Displays a list of values that can be set.

+CGEQMIN? : Displays the current setting.

・**Command execution example**
Only the following 4 patterns can be set. (1) is set as an initial value to each cid.
(1) Command for permitting all speeds of both uplink and downlink (when cid is 5)
AT+CGEQMIN=5
OK
(2) Command for permitting only the speed of uplink 5,760kbps and downlink 7,232kbps (when cid is 6)
AT+CGEQMIN=6,,5760,7232
OK
(3) Command for permitting uplink 5,760kbps and all speeds of downlink (when cid is 7)
AT+CGEQMIN=7,,5760
OK
(4) Command for permitting all speeds of uplink and only 7,232kbps of downlink (when cid is 8)
AT+CGEQMIN=8,,,7232
OK

■ Command name: +CGEQREQ=[parameter]

・**Outline**
Sets the QoS (quality of service) to be requested to network when originating a PPP packet communication.
For setting, only the following pattern in the command execution example can be set, which is also set as an initial value.
Though this command is a setting command, it will not be recorded in non-volatile memory written by [&W], nor reset by [&F] or [Z].

・**Format**
+CGEQREQ=[<cid>]

・**Explanation of the parameters**
<cid>* : 1 to 10
* : <cid> is a number for managing the access point name (APN) registered in the FOMA terminal for a packet communication.

・**Operation performed when the parameter is omitted**
+CGEQREQ= : Sets the initial value to all <cid>.
+CGEQREQ=<cid> : Sets the specified <cid> to the initial value.
+CGEQREQ=? : Displays a list of values that can be set.
+CGEQREQ? : Displays the current setting.

・**Command execution example**
Only the following 1 pattern can be set. This is set to each cid as an initial value.
Command for requesting a connection at a speed of uplink 5,760kbps and downlink 7,232kbps (when cid is 5).
AT+CGEQREQ=5
OK

Saving modem port command setting value

The values set by AT commands are initialized every time the power of FOMA terminal is turned on or off, except the access point name (APN) set by AT+CGDCONT command (p.26), QoS setting by AT+CGEQMIN/AT+CGEQREQ command, permit or reject incoming call setting by AT ＊ DGAPL/AT ＊ DGARL/AT ＊ DGANSM command, the setting for specifying sending/not sending caller ID of packet communication set by AT ＊ DGPIR command and the setting for specifying sending/not sending caller ID of 64K data communication set by AT+CLIR command. However, you can save the values set by commands with [&W] if you enter

AT&W ↵

after the setting. In this case, other set values with [&W] will also be saved. These values can be retrieved by entering

ATZ ↵

even after the power is turned on or off.

Result codes

■ Result codes related with data communication

Number indication	Character indication	Description
0	OK	Successfully executed.
1	CONNECT	Connected.
2	RING	Incoming call.
3	NO CARRIER	Line disconnected.
4	ERROR	Command not acceptable.
6	NO DIALTONE	Unable to detect dialing tone.
7	BUSY	Busy tone detected.
8	NO ANSWER	Time out in connection completing.
100	RESTRICTION	Network restricted.
101	DELAYED	Redialing restricted.

■ Extended result codes

- &E0

Number indication	Character indication	Description
122	CONNECT 64000	Connected between the FOMA terminal and base station at 64,000bps.
125	CONNECT 384000	Connected between the FOMA terminal and base station at 384,000bps.
133	CONNECT 3648000	Connected between the FOMA terminal and base station at 3,648,000bps.
135	CONNECT 7232000	Connected between the FOMA terminal and base station at 7,232,000bps.

- &E1

Number indication	Character indication	Description
5	CONNECT 1200	Connected between the FOMA terminal and PC at 1,200bps.
10	CONNECT 2400	Connected between the FOMA terminal and PC at 2,400bps.
11	CONNECT 4800	Connected between the FOMA terminal and PC at 4,800bps.
13	CONNECT 7200	Connected between the FOMA terminal and PC at 7,200bps.
12	CONNECT 9600	Connected between the FOMA terminal and PC at 9,600bps.
15	CONNECT 14400	Connected between the FOMA terminal and PC at 14,400bps.
16	CONNECT 19200	Connected between the FOMA terminal and PC at 19,200bps.
17	CONNECT 38400	Connected between the FOMA terminal and PC at 38,400bps.
18	CONNECT 57600	Connected between the FOMA terminal and PC at 57,600bps.
19	CONNECT 115200	Connected between the FOMA terminal and PC at 115,200bps.
20	CONNECT 230400	Connected between the FOMA terminal and PC at 230,400bps.
21	CONNECT 460800	Connected between the FOMA terminal and PC at 460,800bps.

■ Communication protocol result codes

Number indication	Character indication	Description
1	PPPoverUD	Connected by PPPoverUD (BC=UDI, +CBST=116,1,0)
3	AV64K	Connected by AV (Videophone) [64K]
5	PACKET	Connected by Packet

NOTE

- The result code appears as character indication (default value) when ATV*n* command (p.51) is set to *n*=1, and as number indication when the command is set to *n*=0.
- Though the communication speed appears in order to maintain a compatibility with the modem connected by traditional RS-232C, it differs from the actual connection speed because the FOMA terminal and PC are connected via FOMA USB Cable with Charge Function 02 (optional) or via Bluetooth Communication.
- "RESTRICTION" (Number indication: 100) indicates that the network is congested. If this is displayed, wait for a while and then try again.

Result code display example

■ **When ATX0 is set**

Regardless of the AT¥V*n* command (p.49) setting, only CONNECT appears when the connection is completed.

Character indication example: ATD＊99＊＊＊1#
CONNECT

Number indication example: ATD＊99＊＊＊1#
1

■ **When ATX1 is set**

・**ATX1, AT¥V0 are set (default)**

Displayed in CONNECT <rate between the FOMA terminal and the PC> format when the connection is completed.

Character indication example: ATD＊99＊＊＊1#
CONNECT 460800

Number indication example: ATD＊99＊＊＊1#
1 21

・**ATX1, AT¥V1 are set** *

The following format appears when the connection is completed:

CONNECT <rate between the FOMA terminal and the PC> PACKET <Connecting party's APN>/<Upstream (the FOMA terminal → Wireless base station) maximum rate>/<Downstream (the FOMA terminal ← Wireless base station) maximum rate>

The following sample indicates that a connection is made to mopera.net at maximum 5,440kbps for sending, and maximum 7,232kbps for receiving.

Character indication example: ATD＊99＊＊＊1#
CONNECT 460800 PACKET mopera.net/5440/7232

Number indication example: ATD＊99＊＊＊1#
1 21 5

*： If both ATX1 and AT¥V1 are set simultaneously, a dial-up connection may not be correctly made. The single setting of AT¥V0 is recommended.

List of disconnection reasons

■ **Packet communication**

Value	Reason
26 27	Missing or incorrect APN.
30	Activation rejected by the network.
33	Requested service option not subscribed.
36	Disconnected successfully.

■ **64K data communication**

Value	Reason
1	The specified number does not exist.
16	Disconnected successfully.
17	Cannot communicate because the other party's line is busy.
18	Dialed, but no response within the specified time.
19	Cannot communicate because the other party is ringing.
21	The other party has rejected the communication.
63	The service or option of the network is not valid.
65	A transmission capacity not provided has been specified.
88	Sent to a terminal with different terminal attributes or received call.

Kuten Code List

Kuten Code List

<Guide to the kuten code table>

First enter “digits 1-3 of the kuten code” then “digit 4”.

- Some kuten codes in the table here may look different from what actually appear on screens.

First to third digits of Kuten codes	0	1	2	3	4	5	6	7	8	9
010		(スペース)	、	。	，	．	・	：	；	？
011	！	゛	゜	´	｀	¨	＾	￣	＿	ヽ
012	ヾ	ゝ	ゞ	〃	仝	々	〆	〇	ー	―
013	‐	／	＼	～	∥	｜	…	‥	‘	’
014	“	”	（	）	〔	〕	［	］	｛	｝
015	〈	〉	《	》	「	」	『	』	【	】
016	＋	－	±	×	÷	＝	≠	＜	＞	≦
017	≧	∞	∴	♂	♀	°	′	″	℃	￥
018	＄	¢	£	％	＃	＆	＊	＠	§	☆
019	★	○	●	◎	◇					
020		◆	□	■	△	▲	▽	▼	※	〒
021	→	←	↑	↓	〓					
022							∈	∋	⊆	⊇
023	⊂	⊃	∪	∩						
024			∧	∨	¬	⇒	⇔	∀	∃	
026	∠	⊥	⌒	∂	∇	≡	≒	≪	≫	√
027	∽	∝	∵	∫	∬					
028			Å	‰	♯	♭	♪	†	‡	¶
029					◯					
031							０	１	２	３
032	４	５	６	７	８	９				
033				Ａ	Ｂ	Ｃ	Ｄ	Ｅ	Ｆ	Ｇ
034	Ｈ	Ｉ	Ｊ	Ｋ	Ｌ	Ｍ	Ｎ	Ｏ	Ｐ	Ｑ
035	Ｒ	Ｓ	Ｔ	Ｕ	Ｖ	Ｗ	Ｘ	Ｙ	Ｚ	
036						ａ	ｂ	ｃ	ｄ	ｅ
037	ｆ	ｇ	ｈ	ｉ	ｊ	ｋ	ｌ	ｍ	ｎ	ｏ
038	ｐ	ｑ	ｒ	ｓ	ｔ	ｕ	ｖ	ｗ	ｘ	ｙ
039	ｚ									
040		ぁ	あ	ぃ	い	ぅ	う	ぇ	え	ぉ
041	お	か	が	き	ぎ	く	ぐ	け	げ	こ
042	ご	さ	ざ	し	じ	す	ず	せ	ぜ	そ
043	ぞ	た	だ	ち	ぢ	っ	つ	づ	て	で
044	と	ど	な	に	ぬ	ね	の	は	ば	ぱ
045	ひ	び	ぴ	ふ	ぶ	ぷ	へ	べ	ぺ	ほ
046	ぼ	ぽ	ま	み	む	め	も	ゃ	や	ゅ
047	ゆ	ょ	よ	ら	り	る	れ	ろ	ゎ	わ
048	ゐ	ゑ	を	ん						
050		ァ	ア	ィ	イ	ゥ	ウ	ェ	エ	ォ
051	オ	カ	ガ	キ	ギ	ク	グ	ケ	ゲ	コ
052	ゴ	サ	ザ	シ	ジ	ス	ズ	セ	ゼ	ソ
053	ゾ	タ	ダ	チ	ヂ	ッ	ツ	ヅ	テ	デ
054	ト	ド	ナ	ニ	ヌ	ネ	ノ	ハ	バ	パ
055	ヒ	ビ	ピ	フ	ブ	プ	ヘ	ベ	ペ	ホ
056	ボ	ポ	マ	ミ	ム	メ	モ	ャ	ヤ	ュ
057	ユ	ョ	ヨ	ラ	リ	ル	レ	ロ	ヮ	ワ
058	ヰ	ヱ	ヲ	ン	ヴ	ヵ	ヶ			
060		Α	Β	Γ	Δ	Ε	Ζ	Η	Θ	Ι
061	Κ	Λ	Μ	Ν	Ξ	Ο	Π	Ρ	Σ	Τ
062	Υ	Φ	Χ	Ψ	Ω					
063				α	β	γ	δ	ε	ζ	η
064	θ	ι	κ	λ	μ	ν	ξ	ο	π	ρ
065	σ	τ	υ	φ	χ	ψ	ω			
070		А	Б	В	Г	Д	Е	Ё	Ж	З
071	И	Й	К	Л	М	Н	О	П	Р	С
072	Т	У	Ф	Х	Ц	Ч	Ш	Щ	Ъ	Ы
073	Ь	Э	Ю	Я						
074										а

First to third digits of Kuten codes	0	1	2	3	4	5	6	7	8	9
075	б	в	г	д	е	ё	ж	з	и	й
076	к	л	м	н	о	п	р	с	т	у
077	ф	х	ц	ч	ш	щ	ъ	ы	ь	э
078	ю	я								
080		─	│	┌	┐	┘	└	├	┬	┤
081	┴	┼	━	┃	┏	┓	┛	┗	┣	┳
082	┫	┻	╋	┠	┯	┨	┷	┿	┝	┰
083	┥	┸	╂							
130		①	②	③	④	⑤	⑥	⑦	⑧	⑨
131	⑩	⑪	⑫	⑬	⑭	⑮	⑯	⑰	⑱	⑲
132	⑳	Ⅰ	Ⅱ	Ⅲ	Ⅳ	Ⅴ	Ⅵ	Ⅶ	Ⅷ	Ⅸ
133	Ⅹ		㍉	㌔	㌢	㍍	㌘	㌧	㌃	㌶
134	㍑	㍗	㌍	㌦	㌣	㌫	㍊	㌻	㎜	㎝
135	㎞	㎎	㎏	㏄	㎡					
136				㍻	〝	〟	№	㏍	℡	㊤
137	㊥	㊦	㊧	㊨	㈱	㈲	㈹	㍾	㍽	㍼
138	≒	≡	∫	∮	∑	√	⊥	∠	∟	⊿
139	∵	∩	∪							
あ										
160		亜	唖	娃	阿	哀	愛	挨	姶	逢
161	葵	茜	穐	悪	握	渥	旭	葦	芦	鯵
162	梓	圧	斡	扱	宛	姐	虻	飴	絢	綾
163	鮎	或	粟	袷	安	庵	按	暗	案	闇
164	鞍	杏								
い										
164			以	伊	位	依	偉	囲	夷	委
165	威	尉	惟	意	慰	易	椅	為	畏	異
166	移	維	緯	胃	萎	衣	謂	違	遺	医
167	井	亥	域	育	郁	磯	一	壱	溢	逸
168	稲	茨	芋	鰯	允	印	咽	員	因	姻
169	引	飲	淫	胤	蔭					
170		院	陰	隠	韻	吋				
う										
170							右	宇	烏	羽
171	迂	雨	卯	鵜	窺	丑	碓	臼	渦	嘘
172	唄	欝	蔚	鰻	姥	厩	浦	瓜	閏	噂
173	云	運	雲							
え										
173				荏	餌	叡	営	嬰	影	映
174	曳	栄	永	泳	洩	瑛	盈	穎	頴	英
175	衛	詠	鋭	液	疫	益	駅	悦	謁	越
176	閲	榎	厭	円	園	堰	奄	宴	延	怨
177	掩	援	沿	演	炎	焔	煙	燕	猿	縁
178	艶	苑	薗	遠	鉛	鴛	塩			
お										
178								於	汚	甥
179	凹	央	奥	往	応					
180		押	旺	横	欧	殴	王	翁	襖	鴬
181	鴎	黄	岡	沖	荻	億	屋	憶	臆	桶
182	牡	乙	俺	卸	恩	温	穏	音		
か										
182									下	化
183	仮	何	伽	価	佳	加	可	嘉	夏	嫁
184	家	寡	科	暇	果	架	歌	河	火	珂
185	禍	禾	稼	箇	花	苛	茄	荷	華	菓
186	蝦	課	嘩	貨	迦	過	霞	蚊	俄	峨
187	我	牙	画	臥	芽	蛾	賀	雅	餓	駕
188	介	会	解	回	塊	壊	廻	快	怪	悔
189	恢	懐	戒	拐	改					
190		魁	晦	械	海	灰	界	皆	絵	芥

First to third digits of Kuten codes	0	1	2	3	4	5	6	7	8	9
191	蟹	開	階	貝	凱	劾	外	咳	害	崖
192	慨	概	涯	碍	蓋	街	該	鎧	骸	浬
193	馨	蛙	垣	柿	蛎	鈎	劃	嚇	各	廓
194	拡	撹	格	核	殻	獲	確	穫	覚	角
195	赫	較	郭	閣	隔	革	学	岳	楽	額
196	顎	掛	笠	樫	橿	梶	鰍	潟	割	喝
197	恰	括	活	渇	滑	葛	褐	轄	且	鰹
198	叶	椛	樺	鞄	株	兜	竃	蒲	釜	鎌
199	噛	鴨	栢	茅	萱					
200		粥	刈	苅	瓦	乾	侃	冠	寒	刊
201	勘	勧	巻	喚	堪	姦	完	官	寛	干
202	幹	患	感	慣	憾	換	敢	柑	桓	棺
203	款	歓	汗	漢	澗	潅	環	甘	監	看
204	竿	管	簡	緩	缶	翰	肝	艦	莞	観
205	諌	貫	還	鑑	間	閑	関	陥	韓	館
206	舘	丸	含	岸	巌	玩	癌	眼	岩	翫
207	贋	雁	頑	顔	願					
き										
207						企	伎	危	喜	器
208	基	奇	嬉	寄	岐	希	幾	忌	揮	机
209	旗	既	期	棋	棄					
210		機	帰	毅	気	汽	畿	祈	季	稀
211	紀	徽	規	記	貴	起	軌	輝	飢	騎
212	鬼	亀	偽	儀	妓	宜	戯	技	擬	欺
213	犠	疑	祇	義	蟻	誼	議	掬	菊	鞠
214	吉	吃	喫	桔	橘	詰	砧	杵	黍	却
215	客	脚	虐	逆	丘	久	仇	休	及	吸
216	宮	弓	急	救	朽	求	汲	泣	灸	球
217	究	窮	笈	級	糾	給	旧	牛	去	居
218	巨	拒	拠	挙	渠	虚	許	距	鋸	漁
219	禦	魚	亨	享	京					
220		供	侠	僑	兇	競	共	凶	協	匡
221	卿	叫	喬	境	峡	強	彊	怯	恐	恭
222	挟	教	橋	況	狂	狭	矯	胸	脅	興
223	蕎	郷	鏡	響	饗	驚	仰	凝	尭	暁
224	業	局	曲	極	玉	桐	粁	僅	勤	均
225	巾	錦	斤	欣	欽	琴	禁	禽	筋	緊
226	芹	菌	衿	襟	謹	近	金	吟	銀	
く										
226										九
227	倶	句	区	狗	玖	矩	苦	躯	駆	駈
228	駒	具	愚	虞	喰	空	偶	寓	遇	隅
229	串	櫛	釧	屑	屈					
230		掘	窟	沓	靴	轡	窪	熊	隈	粂
231	栗	繰	桑	鍬	勲	君	薫	訓	群	軍
232	郡									
け										
232		卦	袈	祁	係	傾	刑	兄	啓	圭
233	珪	型	契	形	径	恵	慶	慧	憩	掲
234	携	敬	景	桂	渓	畦	稽	系	経	継
235	繋	罫	茎	荊	蛍	計	詣	警	軽	頚
236	鶏	芸	迎	鯨	劇	戟	撃	激	隙	桁
237	傑	欠	決	潔	穴	結	血	訣	月	件
238	倹	倦	健	兼	券	剣	喧	圏	堅	嫌
239	建	憲	懸	拳	捲					
240		検	権	牽	犬	献	研	硯	絹	県
241	肩	見	謙	賢	軒	遣	鍵	険	顕	験
242	鹸	元	原	厳	幻	弦	減	源	玄	現
243	絃	舷	言	諺	限					
こ										
243						乎	個	古	呼	固
244	姑	孤	己	庫	弧	戸	故	枯	湖	狐

First to third digits of Kuten codes	Fourth digit of Kuten codes									
	0	1	2	3	4	5	6	7	8	9
245	糊	袴	股	胡	菰	虎	誇	跨	鈷	雇
246	顧	鼓	五	互	伍	午	呉	吾	娯	後
247	御	悟	梧	檎	瑚	碁	語	誤	護	醐
248	乞	鯉	交	佼	侯	候	倖	光	公	功
249	効	勾	厚	口	向					
250		后	喉	坑	垢	好	孔	孝	宏	工
251	巧	巷	幸	広	庚	康	弘	恒	慌	抗
252	拘	控	攻	昂	晃	更	杭	校	梗	構
253	江	洪	浩	港	溝	甲	皇	硬	稿	糠
254	紅	紘	絞	綱	耕	考	肯	肱	腔	膏
255	航	荒	行	衡	講	貢	購	郊	酵	鉱
256	砿	鋼	閤	降	項	香	高	鴻	剛	劫
257	号	合	壕	拷	濠	豪	轟	麹	克	刻
258	告	国	穀	酷	鵠	黒	獄	漉	腰	甑
259	忽	惚	骨	狛	込					
260		此	頃	今	困	坤	墾	婚	恨	懇
261	昏	昆	根	梱	混	痕	紺	艮	魂	
					さ					
261										些
262	佐	叉	唆	嵯	左	差	査	沙	瑳	砂
263	詐	鎖	裟	坐	座	挫	債	催	再	最
264	哉	塞	妻	宰	彩	才	採	栽	歳	済
265	災	采	犀	砕	砦	祭	斎	細	菜	裁
266	載	際	剤	在	材	罪	財	冴	坂	阪
267	堺	榊	肴	咲	崎	埼	碕	鷺	作	削
268	咋	搾	昨	朔	柵	窄	策	索	錯	桜
269	鮭	笹	匙	冊	刷					
270		察	拶	撮	擦	札	殺	薩	雑	皐
271	鯖	捌	錆	鮫	皿	晒	三	傘	参	山
272	惨	撒	散	桟	燦	珊	産	算	纂	蚕
273	讃	賛	酸	餐	斬	暫	残			
					し					
273								仕	仔	伺
274	使	刺	司	史	嗣	四	士	始	姉	姿
275	子	屍	市	師	志	思	指	支	孜	斯
276	施	旨	枝	止	死	氏	獅	祉	私	糸
277	紙	紫	肢	脂	至	視	詞	詩	試	誌
278	諮	資	賜	雌	飼	歯	事	似	侍	児
279	字	寺	慈	持	時					
280		次	滋	治	爾	璽	痔	磁	示	而
281	耳	自	蒔	辞	汐	鹿	式	識	鴫	竺
282	軸	宍	雫	七	叱	執	失	嫉	室	悉
283	湿	漆	疾	質	実	蔀	篠	偲	柴	芝
284	屡	蕊	縞	舎	写	射	捨	赦	斜	煮
285	社	紗	者	謝	車	遮	蛇	邪	借	勺
286	尺	杓	灼	爵	酌	釈	錫	若	寂	弱
287	惹	主	取	守	手	朱	殊	狩	珠	種
288	腫	趣	酒	首	儒	受	呪	寿	授	樹
289	綬	需	囚	収	周					
290		宗	就	州	修	愁	拾	洲	秀	秋
291	終	繍	習	臭	舟	蒐	衆	襲	讐	蹴
292	輯	週	酋	酬	集	醜	什	住	充	十
293	従	戎	柔	汁	渋	獣	縦	重	銃	叔
294	夙	宿	淑	祝	縮	粛	塾	熟	出	術
295	述	俊	峻	春	瞬	竣	舜	駿	准	循
296	旬	楯	殉	淳	準	潤	盾	純	巡	遵
297	醇	順	処	初	所	暑	曙	渚	庶	緒
298	署	書	薯	藷	諸	助	叙	女	序	徐
299	恕	鋤	除	傷	償					
300		勝	匠	升	召	哨	商	唱	嘗	奨
301	妾	娼	宵	将	小	少	尚	庄	床	廠
302	彰	承	抄	招	掌	捷	昇	昌	昭	晶
303	松	梢	樟	樵	沼	消	渉	湘	焼	焦
304	照	症	省	硝	礁	祥	称	章	笑	粧
305	紹	肖	菖	蒋	蕉	衝	裳	訟	証	詔
306	詳	象	賞	醤	鉦	鍾	鐘	障	鞘	上
307	丈	丞	乗	冗	剰	城	場	壌	嬢	常
308	情	擾	条	杖	浄	状	畳	穣	蒸	譲
309	醸	錠	嘱	埴	飾					
310		拭	植	殖	燭	織	職	色	触	食
311	蝕	辱	尻	伸	信	侵	唇	娠	寝	審
312	心	慎	振	新	晋	森	榛	浸	深	申
313	疹	真	神	秦	紳	臣	芯	薪	親	診
314	身	辛	進	針	震	人	仁	刃	塵	壬
315	尋	甚	尽	腎	訊	迅	陣	靭		

First to third digits of Kuten codes	Fourth digit of Kuten codes									
	0	1	2	3	4	5	6	7	8	9
					す					
315									笥	諏
316	須	酢	図	厨	逗	吹	垂	帥	推	水
317	炊	睡	粋	翠	衰	遂	酔	錐	錘	随
318	瑞	髄	崇	嵩	数	枢	趨	雛	据	杉
319	椙	菅	頗	雀	裾					
320		澄	摺	寸						
					せ					
320					世	瀬	畝	是	凄	制
321	勢	姓	征	性	成	政	整	星	晴	棲
322	栖	正	清	牲	生	盛	精	聖	声	製
323	西	誠	誓	請	逝	醒	青	静	斉	税
324	脆	隻	席	惜	戚	斥	昔	析	石	積
325	籍	績	脊	責	赤	跡	蹟	碩	切	拙
326	接	摂	折	設	窃	節	説	雪	絶	舌
327	蝉	仙	先	千	占	宣	専	尖	川	戦
328	扇	撰	栓	栴	泉	浅	洗	染	潜	煎
329	煽	旋	穿	箭	線					
330		繊	羨	腺	舛	船	薦	詮	賎	践
331	選	遷	銭	銑	閃	鮮	前	善	漸	然
332	全	禅	繕	膳	糎					
					そ					
332						噌	塑	岨	措	曾
333	曽	楚	狙	疏	疎	礎	祖	租	粗	素
334	組	蘇	訴	阻	遡	鼠	僧	創	双	叢
335	倉	喪	壮	奏	爽	宋	層	匝	惣	想
336	捜	掃	挿	掻	操	早	曹	巣	槍	槽
337	漕	燥	争	痩	相	窓	糟	総	綜	聡
338	草	荘	葬	蒼	藻	装	走	送	遭	鎗
339	霜	騒	像	増	憎					
340		臓	蔵	贈	造	促	側	則	即	息
341	捉	束	測	足	速	俗	属	賊	族	続
342	卒	袖	其	揃	存	孫	尊	損	村	遜
					た					
343	他	多	太	汰	詑	唾	堕	妥	惰	打
344	柁	舵	楕	陀	駄	騨	体	堆	対	耐
345	岱	帯	待	怠	態	戴	替	泰	滞	胎
346	腿	苔	袋	貸	退	逮	隊	黛	鯛	代
347	台	大	第	醍	題	鷹	滝	瀧	卓	啄
348	宅	托	択	拓	沢	濯	琢	託	鐸	濁
349	諾	茸	凧	蛸	只					
350		叩	但	達	辰	奪	脱	巽	竪	辿
351	棚	谷	狸	鱈	樽	誰	丹	単	嘆	坦
352	担	探	旦	歎	淡	湛	炭	短	端	箪
353	綻	耽	胆	蛋	誕	鍛	団	壇	弾	断
354	暖	檀	段	男	談					
					ち					
354						値	知	地	弛	恥
355	智	池	痴	稚	置	致	蜘	遅	馳	築
356	畜	竹	筑	蓄	逐	秩	窒	茶	嫡	着
357	中	仲	宙	忠	抽	昼	柱	注	虫	衷
358	註	酎	鋳	駐	樗	瀦	猪	苧	著	貯
359	丁	兆	凋	喋	寵					
360		帖	帳	庁	弔	張	彫	徴	懲	挑
361	暢	朝	潮	牒	町	眺	聴	脹	腸	蝶
362	調	諜	超	跳	銚	長	頂	鳥	勅	捗
363	直	朕	沈	珍	賃	鎮	陳			
					つ					
363								津	墜	椎
364	槌	追	鎚	痛	通	塚	栂	掴	槻	佃
365	漬	柘	辻	蔦	綴	鍔	椿	潰	坪	壷
366	嬬	紬	爪	吊	釣	鶴				
					て					
366							亭	低	停	偵
367	剃	貞	呈	堤	定	帝	底	庭	廷	弟
368	悌	抵	挺	提	梯	汀	碇	禎	程	締
369	艇	訂	諦	蹄	逓					
370		邸	鄭	釘	鼎	泥	摘	擢	敵	滴
371	的	笛	適	鏑	溺	哲	徹	撤	轍	迭
372	鉄	典	填	天	展	店	添	纏	甜	貼
373	転	顛	点	伝	殿	澱	田	電		
					と					
373									兎	吐
374	堵	塗	妬	屠	徒	斗	杜	渡	登	菟
375	賭	途	都	鍍	砥	砺	努	度	土	奴
376	怒	倒	党	冬	凍	刀	唐	塔	塘	套

First to third digits of Kuten codes	Fourth digit of Kuten codes									
	0	1	2	3	4	5	6	7	8	9
377	宕	島	嶋	悼	投	搭	東	桃	梼	棟
378	盗	淘	湯	涛	灯	燈	当	痘	祷	等
379	答	筒	糖	統	到					
380		董	蕩	藤	討	謄	豆	踏	逃	透
381	鐙	陶	頭	騰	闘	働	動	同	堂	導
382	憧	撞	洞	瞳	童	胴	萄	道	銅	峠
383	鴇	匿	得	徳	涜	特	督	禿	篤	毒
384	独	読	栃	橡	凸	突	椴	届	鳶	苫
385	寅	酉	瀞	噸	屯	惇	敦	沌	豚	遁
386	頓	呑	曇	鈍						
					な					
386					奈	那	内	乍	凪	薙
387	謎	灘	捺	鍋	楢	馴	縄	畷	南	楠
388	軟	難	汝							
					に					
388				二	尼	弐	迩	匂	賑	肉
389	虹	廿	日	乳	入					
390		如	尿	韮	任	妊	忍	認		
					ぬ〜の					
390									濡	禰
391	祢	寧	葱	猫	熱	年	念	捻	撚	燃
392	粘	乃	廼	之	埜	嚢	悩	濃	納	能
393	脳	膿	農	覗	蚤					
					は					
393						巴	把	播	覇	杷
394	波	派	琶	破	婆	罵	芭	馬	俳	廃
395	拝	排	敗	杯	盃	牌	背	肺	輩	配
396	倍	培	媒	梅	楳	煤	狽	買	売	賠
397	陪	這	蝿	秤	矧	萩	伯	剥	博	拍
398	柏	泊	白	箔	粕	舶	薄	迫	曝	漠
399	爆	縛	莫	駁	麦					
400		函	箱	硲	箸	肇	筈	櫨	幡	肌
401	畑	畠	八	鉢	溌	発	醗	髪	伐	罰
402	抜	筏	閥	鳩	噺	塙	蛤	隼	伴	判
403	半	反	叛	帆	搬	斑	板	氾	汎	版
404	犯	班	畔	繁	般	藩	販	範	釆	煩
405	頒	飯	挽	晩	番	盤	磐	蕃	蛮	
					ひ					
405										匪
406	卑	否	妃	庇	彼	悲	扉	批	披	斐
407	比	泌	疲	皮	碑	秘	緋	罷	肥	被
408	誹	費	避	非	飛	樋	簸	備	尾	微
409	枇	毘	琵	眉	美					
410		鼻	柊	稗	匹	疋	髭	彦	膝	菱
411	肘	弼	必	畢	筆	逼	桧	姫	媛	紐
412	百	謬	俵	彪	標	氷	漂	瓢	票	表
413	評	豹	廟	描	病	秒	苗	錨	鋲	蒜
414	蛭	鰭	品	彬	斌	浜	瀕	貧	賓	頻
415	敏	瓶								
					ふ					
415			不	付	埠	夫	婦	富	冨	布
416	府	怖	扶	敷	斧	普	浮	父	符	腐
417	膚	芙	譜	負	賦	赴	阜	附	侮	撫
418	武	舞	葡	蕪	部	封	楓	風	葺	蕗
419	伏	副	復	幅	服					
420		福	腹	複	覆	淵	弗	払	沸	仏
421	物	鮒	分	吻	噴	墳	憤	扮	焚	奮
422	粉	糞	紛	雰	文	聞				
					へ					
422							丙	併	兵	塀
423	幣	平	弊	柄	並	蔽	閉	陛	米	頁
424	僻	壁	癖	碧	別	瞥	蔑	箆	偏	変
425	片	篇	編	辺	返	遍	便	勉	娩	弁
426	鞭									
					ほ					
426		保	舗	鋪	圃	捕	歩	甫	補	輔
427	穂	募	墓	慕	戊	暮	母	簿	菩	倣
428	俸	包	呆	報	奉	宝	峰	峯	崩	庖
429	抱	捧	放	方	朋					
430		法	泡	烹	砲	縫	胞	芳	萌	蓬
431	蜂	褒	訪	豊	邦	鋒	飽	鳳	鵬	乏
432	亡	傍	剖	坊	妨	帽	忘	忙	房	暴
433	望	某	棒	冒	紡	肪	膨	謀	貌	貿
434	鉾	防	吠	頬	北	僕	卜	墨	撲	朴
435	牧	睦	穆	釦	勃	没	殆	堀	幌	奔
436	本	翻	凡	盆						

First to third digits of Kuten codes	Fourth digit of Kuten codes									
	0	1	2	3	4	5	6	7	8	9
ま										
436					摩	磨	魔	麻	埋	妹
437	昧	枚	毎	哩	槙	幕	膜	枕	鮪	柾
438	鱒	桝	亦	俣	又	抹	末	沫	迄	侭
439	繭	麿	万	慢	満					
440		漫	蔓							
み										
440				味	未	魅	巳	箕	岬	密
441	蜜	湊	蓑	稔	脈	妙	粍	民	眠	
む										
441										務
442	夢	無	牟	矛	霧	鵡	椋	婿	娘	
め										
442										冥
443	名	命	明	盟	迷	銘	鳴	姪	牝	滅
444	免	棉	綿	緬	面	麺				
も										
444							摸	模	茂	妄
445	孟	毛	猛	盲	網	耗	蒙	儲	木	黙
446	目	杢	勿	餅	尤	戻	籾	貰	問	悶
447	紋	門	匁							
や										
447				也	冶	夜	爺	耶	野	弥
448	矢	厄	役	約	薬	訳	躍	靖	柳	薮
449	鑓									
ゆ										
449		愉	愈	油	癒					
450		諭	輸	唯	佑	優	勇	友	宥	幽
451	悠	憂	揖	有	柚	湧	涌	猶	猷	由
452	祐	裕	誘	遊	邑	郵	雄	融	夕	
よ										
452										予
453	余	与	誉	輿	預	傭	幼	妖	容	庸
454	揚	揺	擁	曜	楊	様	洋	溶	熔	用
455	窯	羊	耀	葉	蓉	要	謡	踊	遥	陽
456	養	慾	抑	欲	沃	浴	翌	翼	淀	
ら										
456										羅
457	螺	裸	来	莱	頼	雷	洛	絡	落	酪
458	乱	卵	嵐	欄	濫	藍	蘭	覧		
り										
458									利	吏
459	履	李	梨	理	璃					
460		痢	裏	裡	里	離	陸	律	率	立
461	葎	掠	略	劉	流	溜	琉	留	硫	粒
462	隆	竜	龍	侶	慮	旅	虜	了	亮	僚
463	両	凌	寮	料	梁	涼	猟	療	瞭	稜
464	糧	良	諒	遼	量	陵	領	力	緑	倫
465	厘	林	淋	燐	琳	臨	輪	隣	鱗	麟
る〜れ										
466	瑠	塁	涙	累	類	令	伶	例	冷	励
467	嶺	怜	玲	礼	苓	鈴	隷	零	霊	麗
468	齢	暦	歴	列	劣	烈	裂	廉	恋	憐
469	漣	煉	簾	練	聯					
470		蓮	連	錬						
ろ										
470					呂	魯	櫓	炉	賂	路
471	露	労	婁	廊	弄	朗	楼	榔	浪	漏
472	牢	狼	篭	老	聾	蝋	郎	六	麓	禄
473	肋	録	論							
わ										
473				倭	和	話	歪	賄	脇	惑
474	枠	鷲	亙	亘	鰐	詫	藁	蕨	椀	湾
475	碗	腕								
476										
477										
478										
479										
480		弌	丐	丕	个	丱	丶	丼	丿	乂
481	乖	乘	亂	亅	豫	亊	舒	弍	于	亞
482	亟	亠	亢	亰	亳	亶	从	仍	仄	仆
483	仂	仗	仞	仭	仟	价	伉	佚	估	佛
484	佝	佗	佇	佶	侈	侏	侘	佻	佩	佰
485	侑	佯	來	侖	儘	俔	俟	俎	俘	俛
486	俑	俚	俐	俤	俥	倚	倨	倔	倪	倥
487	倅	伜	俶	倡	倩	倬	俾	俯	們	倆

First to third digits of Kuten codes	Fourth digit of Kuten codes									
	0	1	2	3	4	5	6	7	8	9
488	偃	假	會	偕	偐	偈	做	偖	偬	偸
489	傀	傚	傅	傴	傲					
490		僉	僊	傳	僂	僖	僞	僥	僭	僣
491	僮	價	僵	儉	儁	儂	儖	儕	儔	儚
492	儡	儺	儷	儼	儻	儿	兀	兒	兌	兔
493	兢	竸	兩	兪	兮	冀	冂	囘	册	冉
494	冏	冑	冓	冕	冖	冤	冦	冢	冩	冪
495	冫	决	冱	冲	冰	况	冽	凅	凉	凛
496	几	處	凩	凭	凰	凵	凾	刄	刋	刔
497	刎	刧	刪	刮	刳	刹	剏	剄	剋	剌
498	剞	剔	剪	剴	剩	剳	剿	剽	劍	劔
499	劒	剱	劈	劑	辨					
500		辧	劬	劭	劼	劵	勁	勍	勗	勞
501	勣	勦	飭	勠	勳	勵	勸	勹	匆	匈
502	甸	匍	匐	匏	匕	匚	匣	匯	匱	匳
503	匸	區	卆	卅	丗	卉	卍	凖	卞	卩
504	卮	夘	卻	卷	厂	厖	厠	厦	厥	厮
505	厰	厶	參	簒	雙	叟	曼	燮	叮	叨
506	叭	叺	吁	吽	呀	听	吭	吼	吮	吶
507	吩	吝	呎	咏	呵	咎	呟	呱	呷	呰
508	咒	呻	咀	呶	咄	咐	咆	哇	咢	咸
509	咥	咬	哄	哈	咨					
510		咫	哂	咤	咾	咼	哘	哥	哦	唏
511	唔	哽	哮	哭	哺	哢	唹	啀	啣	啌
512	售	啜	啅	啖	啗	唸	唳	啝	喙	喀
513	咯	喊	喟	啻	啾	喘	喞	單	啼	喃
514	喩	喇	喨	嗚	嗅	嗟	嗄	嗜	嗤	嗔
515	嘔	嗷	嘖	嗾	嗽	嘛	嗹	噎	噐	營
516	嘴	嘶	嘲	嘸	噫	噤	嘯	噬	噪	嚆
517	嚀	嚊	嚠	嚔	嚏	嚥	嚮	嚶	嚴	囂
518	嚼	囁	囃	囀	囈	囎	囑	囓	囗	囮
519	囹	圀	囿	圄	圉					
520		圈	國	圍	圓	團	圖	嗇	圜	圦
521	圷	圸	坎	圻	址	坏	坩	埀	垈	坡
522	坿	垉	垓	垠	垳	垤	垪	垰	埃	埆
523	埔	埒	埓	堊	埖	埣	堋	堙	堝	塲
524	堡	塢	塋	塰	毀	塒	堽	塹	墅	墹
525	墟	墫	墺	壞	墻	墸	墮	壅	壓	壑
526	壗	壙	壘	壥	壜	壤	壟	壯	壺	壹
527	壻	壼	壽	夂	夊	夐	夛	梦	夥	夬
528	夭	夲	夸	夾	竒	奕	奐	奎	奚	奘
529	奢	奠	奧	奬	奩					
530		奸	妁	妝	佞	侫	妣	妲	姆	姨
531	姜	妍	姙	姚	娥	娟	娑	娜	娉	娚
532	婀	婬	婉	娵	娶	婢	婪	媚	媼	媾
533	嫋	嫂	媽	嫣	嫗	嫦	嫩	嫖	嫺	嫻
534	嬌	嬋	嬖	嬲	嫐	嬪	嬶	嬾	孃	孅
535	孀	孑	孕	孚	孛	孥	孩	孰	孳	孵
536	學	斈	孺	宀	它	宦	宸	寃	寇	寉
537	寔	寐	寤	實	寢	寞	寥	寫	寰	寶
538	寳	尅	將	專	對	尓	尠	尢	尨	尸
539	尹	屁	屆	屎	屓					
540		屐	屏	孱	屬	屮	乢	屶	屹	岌
541	岑	岔	妛	岫	岻	岶	岼	岷	峅	岾
542	峇	峙	峩	峽	峺	峭	嶌	峪	崋	崕
543	崗	嵜	崟	崛	崑	崔	崢	崚	崙	崘
544	嵌	嵒	嵎	嵋	嵬	嵳	嵶	嶇	嶄	嶂
545	嶢	嶝	嶬	嶮	嶽	嶐	嶷	嶼	巉	巍
546	巓	巒	巖	巛	巫	已	巵	帋	帚	帙
547	帑	帛	帶	帷	幄	幃	幀	幎	幗	幔
548	幟	幢	幤	幇	幵	并	幺	麼	广	庠
549	廁	廂	廈	廐	廏					
550		廖	廣	廝	廚	廛	廢	廡	廨	廩
551	廬	廱	廳	廰	廴	廸	廾	弃	弉	彝
552	彜	弋	弑	弖	弩	弭	弸	彁	彈	彌
553	彎	弯	彑	彖	彗	彙	彡	彭	彳	彷
554	徃	徂	彿	徊	很	徑	徇	從	徙	徘
555	徠	徨	徭	徼	忖	忻	忤	忸	忱	忝
556	悳	忿	怡	恠	怙	怐	怩	怎	怱	怛
557	怕	怫	怦	怏	怺	恚	恁	恪	恷	恟
558	恊	恆	恍	恣	恃	恤	恂	恬	恫	恙
559	悁	悍	惧	悃	悚					
560		悄	悛	悖	悗	悒	悧	悋	惡	悸
561	惠	惓	悴	忰	悽	惆	悵	惘	慍	愕
562	愆	惶	惷	愀	惴	惺	愃	愡	惻	惱
563	愍	愎	慇	愾	愨	愧	慊	愿	愼	愬

First to third digits of Kuten codes	Fourth digit of Kuten codes									
	0	1	2	3	4	5	6	7	8	9
564	愴	愽	慂	慄	慳	慷	慘	慙	慚	慫
565	慴	慯	慥	慱	慟	慝	慓	慵	憙	憖
566	憇	憬	憔	憚	憊	憑	憫	憮	懌	懊
567	應	懷	懈	懃	懆	憺	懋	罹	懍	懦
568	懣	懶	懺	懴	懿	懽	懼	懾	戀	戈
569	戉	戍	戌	戔	戛					
570		戞	戡	截	戮	戰	戲	戳	扁	扎
571	扞	扣	扛	扠	扨	扼	抂	抉	找	抒
572	抓	抖	拔	抃	抔	拗	拑	抻	拏	拿
573	拆	擔	拈	拜	拌	拊	拂	拇	抛	拉
574	挌	拮	拱	挧	挂	挈	拯	拵	捐	挾
575	捍	搜	捏	掖	掎	掀	掫	捶	掣	掏
576	掉	掟	掵	捫	捩	掾	揩	揀	揆	揣
577	揉	插	揶	揄	搖	搴	搆	搓	搦	搶
578	攝	搗	搨	搏	摧	摯	摶	摎	攪	撕
579	撓	撥	撩	撈	撼					
580		據	擒	擅	擇	撻	擘	擂	擱	擧
581	舉	擠	擡	抬	擣	擯	攬	擶	擴	擲
582	擺	攀	擽	攘	攜	攅	攤	攣	攫	攴
583	攵	攷	收	攸	畋	效	敖	敕	敍	敘
584	敞	敝	敲	數	斂	斃	變	斛	斟	斫
585	斷	旃	旆	旁	旄	旌	旒	旛	旙	无
586	旡	旱	杲	昊	昃	旻	杳	昵	昶	昴
587	昜	晏	晄	晉	晁	晞	晝	晤	晧	晨
588	晟	晢	晰	暃	暈	暎	暉	暄	暘	暝
589	曁	暹	曉	暾	暼					
590		曄	暸	曖	曚	曠	昿	曦	曩	曰
591	曵	曷	朏	朖	朞	朦	朧	霸	朮	朿
592	朶	杁	朸	朷	杆	杞	杠	杙	杣	杤
593	枉	杰	枩	杼	杪	枌	枋	枦	枡	枅
594	枷	柯	枴	柬	枳	柩	枸	柤	柞	柝
595	柢	柮	枹	柎	柆	柧	檜	栞	框	栩
596	桀	桍	栲	桎	梳	栫	桙	档	桷	桿
597	梟	梏	梭	梔	條	梛	梃	檮	梹	桴
598	梵	梠	梺	椏	梍	桾	椁	棊	椈	棘
599	椢	椦	棡	椌	棍					
600		棔	棧	棕	椶	椒	椄	棗	棣	椥
601	棹	棠	棯	椨	椪	椚	椣	椡	棆	楹
602	楷	楜	楸	楫	楔	楾	楮	椹	楴	椽
603	楙	椰	楡	楞	楝	榁	楪	榲	榮	槐
604	榿	槁	槓	榾	槎	寨	槊	槝	榻	槃
605	榧	樮	榑	榠	榜	榕	榴	槞	槨	樂
606	樛	槿	權	槹	槲	槧	樅	榱	樞	槭
607	樔	槫	樊	樒	櫁	樣	樓	橄	樌	橲
608	樶	橸	橇	橢	橙	橦	橈	樸	樢	檐
609	檍	檠	檄	檢	檣					
610		檗	蘗	檻	櫃	櫂	檸	檳	檬	櫞
611	櫑	櫟	檪	櫚	櫪	櫻	欅	蘖	櫺	欒
612	欖	鬱	欟	欸	欷	盜	欹	飮	歇	歃
613	歉	歐	歙	歔	歛	歟	歡	歸	歹	歿
614	殀	殄	殃	殍	殘	殕	殞	殤	殪	殫
615	殯	殲	殱	殳	殷	殼	毆	毋	毓	毟
616	毬	毫	毳	毯	麾	氈	氓	气	氛	氤
617	氣	汞	汕	汢	汪	沂	沍	沚	沁	沛
618	汾	汨	汳	沒	沐	泄	泱	泓	沽	泗
619	泅	泝	沮	沱	沾					
620		沺	泛	泯	泙	泪	洟	衍	洶	洫
621	洽	洸	洙	洵	洳	洒	洌	浣	涓	浤
622	浚	浹	浙	涎	涕	濤	涅	淹	渕	渊
623	涵	淇	淦	涸	淆	淬	淞	淌	淨	淒
624	淅	淺	淙	淤	淕	淪	淮	渭	湮	渮
625	渙	湲	湟	渾	渣	湫	渫	湶	湍	渟
626	湃	渺	湎	渤	滿	渝	游	溂	溪	溘
627	滉	溷	滓	溽	溯	滄	溲	滔	滕	溏
628	溥	滂	溟	潁	漑	灌	滬	滸	滾	漿
629	滲	漱	滯	漲	滌					
630		漾	漓	滷	澆	潺	潸	澁	澀	潯
631	潛	濳	潭	澂	潼	潘	澎	澑	濂	潦
632	澳	澣	澡	澤	澹	濆	澪	濟	濕	濬
633	濔	濘	濱	濮	濛	瀉	瀋	濺	瀑	瀁
634	瀏	濾	瀛	瀚	潴	瀝	瀘	瀟	瀰	瀾
635	瀲	灑	灣	炙	炒	炯	烱	炬	炸	炳
636	炮	烟	烋	烝	烙	焉	烽	焜	焙	煥
637	煕	熈	煦	煢	煌	煖	煬	熏	燻	熄
638	熕	熨	熬	燗	熹	熾	燒	燉	燔	燎
639	燠	燬	燧	燵	燼					

First to third digits of Kuten codes	Fourth digit of Kuten codes 0	1	2	3	4	5	6	7	8	9
640		燹	燿	爍	爐	爛	爨	爭	爬	爰
641	爲	爻	爼	爿	牀	牆	牋	牘	牴	牾
642	犂	犁	犇	犒	犖	犢	犧	犹	犲	狃
643	狆	狄	狎	狒	狢	狠	狡	狹	狷	倏
644	猗	猊	猜	猖	猝	猴	猯	猩	猥	猾
645	獎	獏	默	獗	獪	獨	獰	獸	獵	獻
646	獺	珈	玳	珎	玻	珀	珥	珮	珞	璢
647	琅	瑯	琥	珸	琲	琺	瑕	琿	瑟	瑙
648	瑁	瑜	瑩	瑰	瑣	瑪	瑶	瑾	璋	璞
649	璧	瓊	瓏	瓔	珱					
650		瓠	瓣	瓧	瓩	瓮	瓲	瓰	瓱	瓸
651	瓷	甄	甃	甅	甌	甎	甍	甕	甓	甞
652	甦	甬	甼	畄	畍	畊	畉	畛	畆	畚
653	畩	畤	畧	畫	畭	畸	當	疆	疇	畴
654	疊	疉	疂	疔	疚	疝	疥	疣	痂	疳
655	痃	疵	疽	疸	疼	疱	痍	痊	痒	痙
656	痣	痞	痾	痿	痼	瘁	痰	痺	痲	痳
657	瘋	瘍	瘉	瘟	瘧	瘠	瘡	瘢	瘤	瘴
658	瘰	瘻	癇	癈	癆	癜	癘	癡	癢	癨
659	癩	癪	癧	癬	癰					
660		癲	癶	癸	發	皀	皃	皈	皋	皎
661	皖	皓	皙	皚	皰	皴	皸	皹	皺	盂
662	盍	盖	盒	盞	盡	盥	盧	盪	蘯	盻
663	眈	眇	眄	眩	眤	眞	眥	眦	眛	眷
664	眸	睇	睚	睨	睫	睛	睥	睿	睾	睹
665	瞎	瞋	瞑	瞠	瞞	瞰	瞶	瞹	瞿	瞼
666	瞽	瞻	矇	矍	矗	矚	矜	矣	矮	矼
667	砌	砒	礦	砠	礪	硅	碎	硴	碆	硼
668	碚	碌	碣	碵	碪	碯	磑	磆	磋	磔
669	碾	碼	磅	磊	磬					
670		磧	磚	磽	磴	礇	礒	礑	礙	礬
671	礫	祀	祠	祗	祟	祚	祕	祓	祺	祿
672	禊	禝	禧	齋	禪	禮	禳	禹	禺	秉
673	秕	秧	秬	秡	秣	稈	稍	稘	稙	稠
674	稟	禀	稱	稻	稾	稷	穃	穗	穉	穡
675	穢	穩	龝	穰	穹	穽	窈	窗	窕	窘
676	窖	窩	竈	窰	窶	竅	竄	窿	邃	竇
677	竊	竍	竏	竕	竓	站	竚	竝	竡	竢
678	竦	竭	竰	笂	笏	笊	笆	笳	笘	笙
679	笞	笵	笨	笶	筐					
680		筺	笄	筍	笋	筌	筅	筵	筥	筴
681	筧	筰	筱	筬	筮	箝	箘	箟	箍	箜
682	箚	箋	箒	箏	筝	箙	篋	篁	篌	篏
683	箴	篆	篝	篩	簑	簔	篦	篥	籠	簀
684	簇	簓	篳	篷	簗	簍	篶	簣	簧	簪
685	簟	簷	簫	簽	籌	籃	籔	籏	籀	籐
686	籘	籟	籤	籖	籥	籬	籵	粃	粐	粤
687	粭	粢	粫	粡	粨	粳	粲	粱	粮	粹
688	粽	糀	糅	糂	糘	糒	糜	糢	鬻	糯
689	糲	糴	糶	糺	紆					
690		紂	紜	紕	紊	絅	絋	紮	紲	紿
691	紵	絆	絳	絖	絎	絲	絨	絮	絏	絣
692	經	綉	絛	綏	絽	綛	綺	綮	綣	綵
693	緇	綽	綫	總	綢	綯	緜	綸	綟	綰
694	緘	緝	緤	緞	緻	緲	緡	縅	縊	縣
695	縡	縒	縱	縟	縉	縋	縢	繆	繦	縻
696	縵	縹	繃	縷	縲	縺	繧	繝	繖	繞
697	繙	繚	繹	繪	繩	繼	繻	纃	緕	繽
698	辮	繿	纈	纉	續	纒	纐	纓	纔	纖
699	纎	纛	纜	缸	缺					
700		罅	罌	罍	罎	罐	网	罕	罔	罘
701	罟	罠	罨	罩	罧	罸	羂	羆	羃	羈
702	羇	羌	羔	羞	羝	羚	羣	羯	羲	羹
703	羮	羶	羸	譱	翅	翆	翊	翕	翔	翡
704	翦	翩	翳	翹	飜	耆	耄	耋	耒	耘
705	耙	耜	耡	耨	耿	耻	聊	聆	聒	聘
706	聚	聟	聢	聨	聳	聲	聰	聶	聹	聽
707	聿	肄	肆	肅	肛	肓	肚	肭	冐	肬
708	胛	胥	胙	胝	胄	胚	胖	脉	胯	胱
709	脛	脩	脣	脯	腋					
710		隋	腆	脾	腓	腑	胼	腱	腮	腥
711	腦	腴	膃	膈	膊	膀	膂	膠	膕	膤
712	膣	腟	膓	膩	膰	膵	膾	膸	膽	臀
713	臂	膺	臉	臍	臑	臙	臘	臈	臚	臟
714	臠	臧	臺	臻	臾	舁	舂	舅	與	舊
715	舍	舐	舖	舩	舫	舸	舳	艀	艙	艘
716	艝	艚	艟	艤	艢	艨	艪	艫	舮	艱
717	艷	艸	艾	芍	芒	芫	芟	芻	芬	苡
718	苣	苟	苒	苴	苳	苺	莓	范	苻	苹
719	苞	茆	苜	茉	苙					
720		茵	茴	茖	茲	茱	荀	茹	荐	荅
721	茯	茫	茗	茘	莅	莚	莪	莟	莢	莖
722	茣	莎	莇	莊	荼	莵	荳	荵	莠	莉
723	莨	菴	萓	菫	菎	菽	萃	菘	萋	菁
724	菷	萇	菠	菲	萍	萢	萠	莽	萸	蔆
725	菻	葭	萪	萼	蕚	蒄	葷	葫	蒭	葮
726	蒂	葩	葆	萬	葯	葹	萵	蓊	葢	蒹
727	蒿	蒟	蓙	蓍	蒻	蓚	蓐	蓁	蓆	蓖
728	蒡	蔡	蓿	蓴	蔗	蔘	蔬	蔟	蔕	蔔
729	蓼	蕀	蕣	蕘	蕈					
730		蕁	蘂	蕋	蕕	薀	薤	薈	薑	薊
731	薨	蕭	薔	薛	藪	薇	薜	蕷	蕾	薐
732	藉	薺	藏	薹	藐	藕	藝	藥	藜	藹
733	蘊	蘓	蘋	藾	藺	蘆	蘢	蘚	蘰	蘿
734	虍	乕	虔	號	虧	虱	蚓	蚣	蚩	蚪
735	蚋	蚌	蚶	蚯	蛄	蛆	蚰	蛉	蠣	蚫
736	蛔	蛞	蛩	蛬	蛟	蛛	蛯	蜒	蜆	蜈
737	蜀	蜃	蛻	蜑	蜉	蜍	蛹	蜊	蜴	蜿
738	蜷	蜻	蜥	蜩	蜚	蝠	蝟	蝸	蝌	蝎
739	蝴	蝗	蝨	蝮	蝙					
740		蝓	蝣	蝪	蠅	螢	螟	螂	螯	蟋
741	螽	蟀	蟐	雖	螫	蟄	螳	蟇	蟆	螻
742	蟯	蟲	蟠	蠏	蠍	蟾	蟶	蟷	蠎	蟒
743	蠑	蠖	蠕	蠢	蠡	蠱	蠶	蠹	蠧	蠻
744	衄	衂	衒	衙	衞	衢	衫	袁	衾	袞
745	衵	衽	袵	衲	袂	袗	袒	袮	袙	袢
746	袍	袤	袰	袿	袱	裃	裄	裔	裘	裙
747	裝	裹	褂	裼	裴	裨	裲	褄	褌	褊
748	褓	襃	褞	褥	褪	褫	襁	襄	褻	褶
749	褸	襌	褝	襠	襞					
750		襦	襤	襭	襪	襯	襴	襷	襾	覃
751	覈	覊	覓	覘	覡	覩	覦	覬	覯	覲
752	覺	覽	覿	觀	觚	觜	觝	觧	觴	觸
753	訃	訖	訐	訌	訛	訝	訥	訶	詁	詛
754	詒	詆	詈	詼	詭	詬	詢	誅	誂	誄
755	誨	誡	誑	誥	誦	誚	誣	諄	諍	諂
756	諚	諫	諳	諧	諤	諱	謔	諠	諢	諷
757	諞	諛	謌	謇	謚	諡	謖	謐	謗	謠
758	謳	鞫	謦	謫	謾	謨	譁	譌	譏	譎
759	證	譖	譛	譚	譫					
760		譟	譬	譯	譴	譽	讀	讌	讎	讒
761	讓	讖	讙	讚	谺	豁	谿	豈	豌	豎
762	豐	豕	豢	豬	豸	豺	貂	貉	貅	貊
763	貍	貎	貔	豼	貘	戝	貭	貪	貽	貲
764	貳	貮	貶	賈	賁	賤	賣	賚	賽	賺
765	賻	贄	贅	贊	贇	贏	贍	贐	齎	贓
766	賍	贔	贖	赧	赭	赱	赳	趁	趙	跂
767	趾	趺	跏	跚	跖	跌	跛	跋	跪	跫
768	跟	跣	跼	踈	踉	跿	踝	踞	踐	踟
769	蹂	踵	踰	踴	蹊					
770		蹇	蹉	蹌	蹐	蹈	蹙	蹤	蹠	踪
771	蹣	蹕	蹶	蹲	蹼	躁	躇	躅	躄	躋
772	躊	躓	躑	躔	躙	躪	躡	躬	躰	軆
773	躱	躾	軅	軈	軋	軛	軣	軼	軻	軫
774	軾	輊	輅	輕	輒	輙	輓	輜	輟	輛
775	輌	輦	輳	輻	輹	轅	轂	輾	轌	轉
776	轆	轎	轗	轜	轢	轣	轤	辜	辟	辣
777	辭	辯	辷	迚	迥	迢	迪	迯	邇	迴
778	逅	迹	迺	逑	逕	逡	逍	逞	逖	逋
779	逧	逶	逵	逹	迸					
780		遏	遐	遑	遒	逎	遉	逾	遖	遘
781	遞	遨	遯	遶	隨	遲	邂	遽	邁	邀
782	邊	邉	邏	邨	邯	邱	邵	郢	郤	扈
783	郛	鄂	鄒	鄙	鄲	鄰	酊	酖	酘	酣
784	酥	酩	酳	酲	醋	醉	醂	醢	醫	醯
785	醪	醵	醴	醺	釀	釁	釉	釋	釐	釖
786	釟	釡	釛	釼	釵	釶	鈞	釿	鈔	鈬
787	鈕	鈑	鉞	鉗	鉅	鉉	鉤	鉈	銕	鈿
788	鉋	鉐	銜	銖	銓	銛	鉚	鋏	銹	銷
789	鋩	錏	鋺	鍄	錮					
790		錙	錢	錚	錣	錺	錵	錻	鍜	鍠
791	鍼	鍮	鍖	鎰	鎬	鎭	鎔	鎹	鏖	鏗
792	鏨	鏥	鏘	鏃	鏝	鏐	鏈	鏤	鐚	鐔
793	鐓	鐃	鐇	鐐	鐶	鐫	鐵	鐡	鐺	鑁
794	鑒	鑄	鑛	鑠	鑢	鑞	鑪	鈩	鑰	鑵
795	鑷	鑽	鑚	鑼	鑾	钁	鑿	閂	閇	閊
796	閔	閖	閘	閙	閠	閨	閧	閭	閼	閻
797	閹	閾	闊	濶	闃	闍	闌	闕	闔	闖
798	關	闡	闥	闢	阡	阨	阮	阯	陂	陌
799	陏	陋	陷	陜	陞					
800		陝	陟	陦	陲	陬	隍	隘	隕	隗
801	險	隧	隱	隲	隰	隴	隶	隸	隹	雎
802	雋	雉	雍	襍	雜	霍	雕	雹	霄	霆
803	霈	霓	霎	霑	霏	霖	霙	霤	霪	霰
804	霹	霽	霾	靄	靆	靈	靂	靉	靜	靠
805	靤	靦	靨	勒	靫	靱	靹	鞅	靼	鞁
806	靺	鞆	鞋	鞏	鞐	鞜	鞨	鞦	鞣	鞳
807	鞴	韃	韆	韈	韋	韜	韭	齏	韲	竟
808	韶	韵	頏	頌	頸	頤	頡	頷	頽	顆
809	顏	顋	顫	顯	顰					
810		顱	顴	顳	颪	颯	颱	颶	飄	飃
811	飆	飩	飫	餃	餉	餒	餔	餘	餡	餝
812	餞	餤	餠	餬	餮	餽	餾	饂	饉	饅
813	饐	饋	饑	饒	饌	饕	馗	馘	馥	馭
814	馮	馼	駟	駛	駝	駘	駑	駭	駮	駱
815	駲	駻	駸	騁	騏	騅	駢	騙	騫	騷
816	驅	驂	驀	驃	騾	驕	驍	驛	驗	驟
817	驢	驥	驤	驩	驫	驪	骭	骰	骼	髀
818	髏	髑	髓	體	髞	髟	髢	髣	髦	髯
819	髫	髮	髴	髱	髷					
820		髻	鬆	鬘	鬚	鬟	鬢	鬣	鬥	鬧
821	鬨	鬩	鬪	鬮	鬯	鬲	魄	魃	魏	魍
822	魎	魑	魘	魴	鮓	鮃	鮑	鮖	鮗	鮟
823	鮠	鮨	鮴	鯀	鯊	鮹	鯆	鯏	鯑	鯒
824	鯣	鯢	鯤	鯔	鯡	鰺	鯲	鯱	鯰	鰕
825	鰔	鰉	鰓	鰌	鰆	鰈	鰒	鰊	鰄	鰮
826	鰛	鰥	鰤	鰡	鰰	鱇	鰲	鱆	鰾	鱚
827	鱠	鱧	鱶	鱸	鳧	鳬	鳰	鴉	鴈	鳫
828	鴃	鴆	鴪	鴦	鶯	鴣	鴟	鵄	鴕	鴒
829	鵁	鴿	鴾	鵆	鵈					
830		鵝	鵞	鵤	鵑	鵐	鵙	鵲	鶉	鶇
831	鶫	鵯	鵺	鶚	鶤	鶩	鶲	鷄	鷁	鶻
832	鶸	鶺	鷆	鷏	鷂	鷙	鷓	鷸	鷦	鷭
833	鷯	鷽	鸚	鸛	鸞	鹵	鹹	鹽	麁	麈
834	麋	麌	麒	麕	麑	麝	麥	麩	麸	麪
835	麭	靡	黌	黎	黏	黐	黔	黜	點	黝
836	黠	黥	黨	黯	黴	黶	黷	黹	黻	黼
837	黽	鼇	鼈	皷	鼕	鼡	鼬	鼾	齊	齒
838	齔	齣	齟	齠	齡	齦	齧	齬	齪	齷
839	齲	齶	龕	龜	龠					
840		堯	槇	遙	瑤	凜	熙			